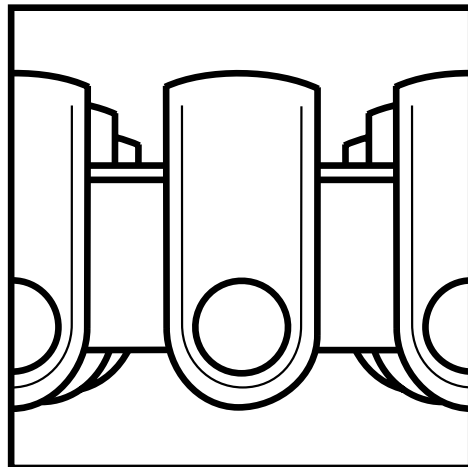


A B B O T T

COMMANDER[®]



Parallel Processing Center (PPC[™])

RS-232 Output Specification

List No. 1A05-56

(includes manual and diskette)

NOTES

Foreword

This document is designed to support the development of an interface connecting a laboratory or host computer with the COMMANDER[®] Parallel Processing Center (PPC) operating with system software version 9.0x/9.1x (x may be any number from 0 through 9).

Transmission through the PPC RS-232 port (designated as DMS port) is unidirectional. PPC ports also have the ability to communicate with one or more COMMANDER[®] Flexible Pipetting Center (FPC[™]) instruments (Version 2.5 or greater) or compatible pipettors for sample ID and well location data transfer.

Any single port can be configured as bi-directional. A bi-directional port will transmit results like a DMS port and accept sample and well data like a normal pipettor port.

The PPC RS-232 interface provides ASCII text to the host computer that is identical to the data which appears on the PPC instrument printout, except for such items as markers for start and end of run, start of transmission, character count and/or checksums.

This document provides:

- The specifications to configure the DMS port interface
- An introduction to the operation of the PPC instrument
- Examples of data generated by the instrument
- A glossary of terms
- A summary of changes to this document, compared with the previously published version

New to the 9.0/9.1 Output Format

The following changes have been made to the output format of PPC Software version 9.0/9.1.

- Addition of serial numbers to the following:
 - Batch information headers, with TPC = Off
 - Calibration reports, with TPC = Off
 - All printed error *messages*
- Positive-3 Control handling.
- PPC supports only FPC[™] software version 2.5 or greater. (FPC software versions less than 2.5 are no longer supported.)

- COMMANDER® Parallel Processing Center (PPC™) RS-232 Output Specification
69-0130/R8—November 1997

Proprietary Statement

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The PPC is manufactured by Abbott Diagnostics Division of Abbott Laboratories, Abbott Park, IL, 60064 U.S.A.

Failure to abide by the foregoing precautionary steps may result in incorrect data transmission and possibly erroneous readings. In no event shall Abbott Laboratories be responsible for failures, errors, or other liabilities resulting from customer's noncompliance with the procedures and precautions outlined herein.

Customer Support

United States: 1-800-323-9100

Canada: 1-800-387-8378

International: Call your Abbott Representative.

Warranty

ABBOTT LABORATORIES MAKES NO WARRANTIES RESPECTING THE INTERFACE BEYOND THOSE EXPRESSLY SET FORTH IN THE OPERATIONS MANUAL FOR THE COMMANDER[®] PARALLEL PROCESSING CENTER (PPC) INSTRUMENT (LIST NO. 1A05-57) AND DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

IN NO EVENT SHALL ABBOTT LABORATORIES BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING FROM THE USE OF THE INTERFACE.

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COMMANDER Parallel Processing Center (PPC) System

The COMMANDER Parallel Processing Center (PPC) is designed to automate reagent dispensing, bead washing, in-the-well spectrophotometric readings and data reduction for specified Abbott enzyme immunoassays.

COMMANDER PPC processing consists of a tray or batch of trays passing through the instrument. Each pass may include washing, dispensing, and/or reading steps.

Control and direction for the PPC comes from an on-board microprocessor which also provides data reduction capability. It is capable of self diagnostics, and other operating options.

Sample dispensing into the 20 or 60 well trays used in the COMMANDER PPC may be performed manually or with the help of the COMMANDER Flexible Pipetting Center (FPC™). Trays are inserted into the load station of the PPC for processing.

Trays are identified in the load station, either by reading a barcode label on the tray or by manual keyboard entry. After a tray is identified, the PPC's control center determines which assay steps are required during the current pass of the tray. If the PPC requires more information about the tray or further operator action, it prompts the operator via the instrument display. When all information is received and the PPC has determined which assay steps are to be performed, the tray moves into the transport module.

The PPC transport module then moves trays to the wash, dispense or read stations as required for the pass. When the process is complete, the tray moves into the exit station where it is removed by the operator for incubation. This process is repeated until the final read step is completed. Results are then calculated, matched with sample identifications, printed and transmitted to the data management port. Note that a PPC can be operated entirely without Sample IDs.

The Sample IDs in the PPC come from one of these sources:

- PPC Keyboard (manual keyboard entry)
- FPC Version 2.5 or greater (Abbott automated pipettor)
- Compatible Pipettor or System

NOTES

Physical Layer

The PPC communicates via four EIA RS-232 serial ports located on the back of the instrument. The ports are labeled 1 through 4, from top to bottom. Any one of the four ports can be configured as a "DMS PORT". The DMS port is the port available for transmission of batch data from the PPC; the other 3 ports can be configured for communication with other Abbott or compatible instruments. The DMS port can be assigned to a port used for communication with other instruments. Port 4 can also be configured with an external barcode reader. The mechanical switch located on the backpanel switches the functionality of Port 4 between an external barcode reader and the original RS-232 serial port. The APPENDIX of this document contains instructions on how to configure the PPC serial ports.

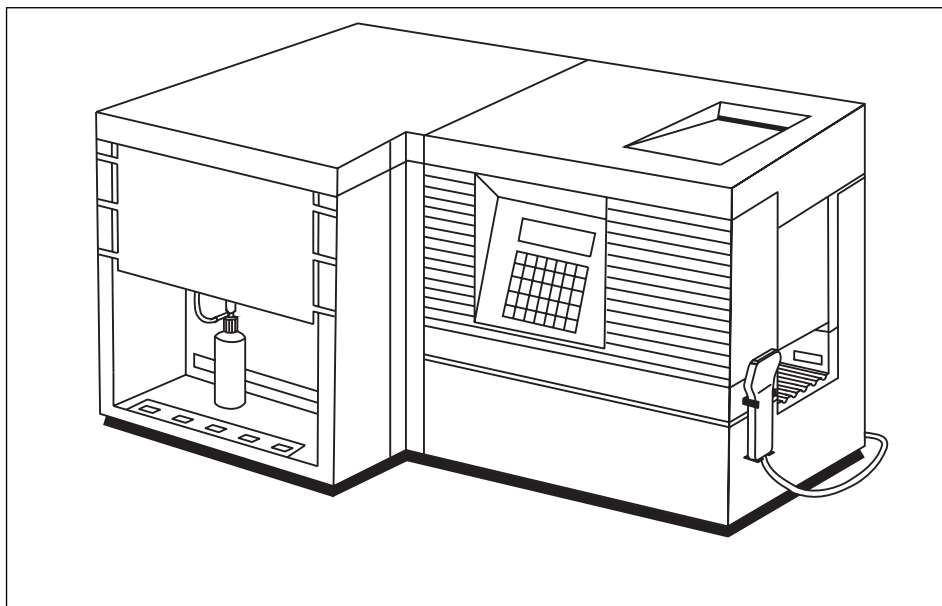


Figure 3.1: Front View Of PPC

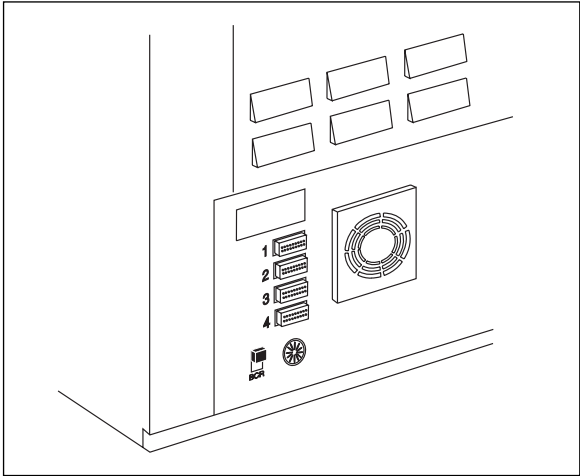


Figure 3.2: View Showing Ports

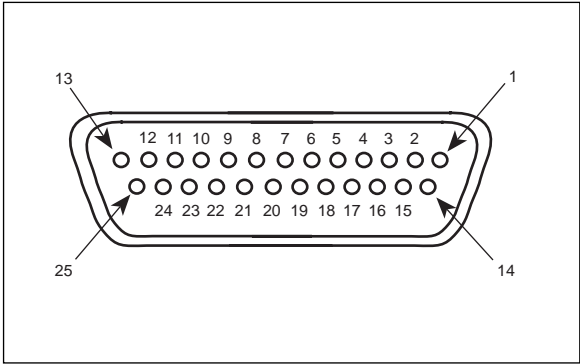


Figure 3.3: DB-25S Connector

The instrument has a DB-25S connector and is configured as a DCE (transmits on pin 3). Above is a diagram of the DB-25S connectors on the rear of the instrument, and a chart of the pinouts.

PPC	FUNCTION
pin 2	receives data from pipettor
pin 3	transmits data to host
pin 7	signal common (Reference)

Note 1: Only the listed pins can be connected for data transmission. Do not connect other pins.

Note 2: Shielded cable is recommended for data transmission but do not connect the shield to the peripheral. Only connect to the metallic chassis on the PPC.

Signal Description

Binary 0 (Space)	=	+3 to +25 volts DC
Binary 1 (Mark)	=	–3 to –25 volts DC
EIA+	=	+3 to +25 volts DC
EIA–	=	–3 to –25 volts DC

Communication Parameters

Communication parameters are set through the PPC keyboard.



NOTE: A description of how to set communication parameters for the PPC RS-232 ports is located in the APPENDIX of this document.

- The default Baud rate is 4800.
- The default parity is ODD.
- The default word length is 7 bits per character.
- The default number of stop bits is 1.

Selectable Communication Parameters are as follows:

- Either 7 or 8 bit ASCII code
- Start bit = 1
- Stop bit = either 1, 1.5 or 2
- Parity = ODD, EVEN or NONE
- Baud rates available for data transmission: 110, 150, 300, 600, 1200, 2400, 4800, 9600 and 19200.




NOTE: When the communications port is configured for data output only (*i.e.*, data output to LIS or printer), the Baud rate may be set up to 19,200 Baud. When the PPC communications port is configured for data output and input (*i.e.*, with FPC for Sample ID collection or auto-configuration), the Baud rate must be limited to 4800 Baud.

PPC processing and transmission of data may be interrupted if a baud rate below 2400 is selected.

The connector is a DB-25S on the instrument. The PPC circular connector is reserved for the external bar code reader.


Cable Diagram

 **NOTE:** The PPC transmits data on pin 3.

An example of a cable suitable for data transfer to a personal computer (PC) is shown. There are two types of RS-232 connectors, 9 pin and 25 pin.

The two cable diagrams are as follows:

PPC		9 Pin	
(DB-25S)		(DB-9)	
(shield optional, see note on previous page)			
(FROM PPC)	3>-----...----->2	(TO HOST)	
(REFERENCE)	7-----...-----3	(REFERENCE)	
PPC		25 Pin	
(DB-25S)		(DB-25)	
(shield optional, see note on previous page)			
(FROM PPC)	3>-----...----->3	(TO HOST)	
(REFERENCE)	7-----...-----7	(REFERENCE)	

 **NOTE:** PC software that checks the status of other pins may not work with these cables (A null modem cable may be required).

For communication to instruments which supply well information, a bi-directional cable is required.

PPC		25 Pin	
(DB-25S)		(DB-25)	
(shield optional, see note on previous page)			
(TO PPC)	2<-----...-----<2	(FROM PIPETTOR)	
(FROM PPC)	3>-----...----->3	(TO HOST)	
(REFERENCE)	7-----...-----7	(REFERENCE)	

Interface Checkout

The PPC has an internal Port Assignment feature which can be used to verify the port connection. This connection may be monitored to confirm the port configuration.

With the PPC idle (not actively doing any other function):

1. Press # sign on keyboard to go to Special Modes.
2. Press key 3 for Configure Mode.
3. Press key 3 for Instrument Port Assignments.
4. Press ENTER key.

PPC automatically sends out the following enquiry to each port:

```
<CR><LF>$CLOSE'??'SIZE'??'='?????????????'IS'?????'<CR><LF>
<CR><LF>$CLOSE'??'SIZE'??'='?????????????'IS'?????'<CR><LF>
<ENQ>
<ENQ>
<ENQ>
<EOT>
```



NOTE: ' is used to denote a blank character space

NOTES

Introduction

The assays that are run on the PPC are of two types. The difference between the two types is the nature of the data reduction used to calculate results. This difference shows up in the format of the printout. The two types are:

Type	Nature of Assay
1	Cutoff
2	Point-to-Point

A **Cutoff** assay is a qualitative assay consisting of blanks, controls and unknown samples. The controls are always run first (after instrument blanking) before any unknowns are evaluated. A cutoff value for that assay run is calculated with a formula using the absorbance values of the negative and/or positive controls. Unknown samples are then read and compared to that cutoff value with the result being “flagged”. Refer to **Note 23** in Section 5 for further information about flagging.

In Cutoff data reductions, flagging priority for blanks will be:

1. OPD-REJ
2. OPD TIME
3. REJECT
4. valid (no Notes field message)

In Cutoff data reductions, flagging priority for Controls will be:

1. EMPTY
2. NO SAMPLE, VOID, or ? STATUS
3. REJECT (inc. *ERROR)
4. OPD TIME
5. ABERRANT
6. valid (no NOTES field message)

In Cutoff data reductions, flagging priority for unknowns will be:

1. EMPTY
2. NO SAMPLE, VOID, or ? STATUS
3. E*R*R*O*R
4. OD ONLY!
5. OPD TIME
- 6a. LOW*
- 6b. LOW
- 6c. REACTIVE*
- 6d. REACTIVE
- 6e. ...*
- 6f. ...

A **POINT-TO-POINT** assay is a quantitative assay consisting of standards and unknown samples. (A graphical representation of a Point-to-Point assay is shown in [Figure 4.1.](#)) A Point-to-Point curve is constructed by plotting the mean absorbance of each standard against the known concentration of the standard. The concentration of each unknown is then determined from its absorbance by mathematically interpolating the concentration from the standard curve.



NOTE: The absorbance is on the Y-axis and the concentration is on the X-axis of the Point-to-Point curve.

In Point-to-Point data reductions, flagging priority for Standards will be:

1. EMPTY
2. NO SAMPLE, VOID, or ? STATUS
3. OPD TIME
4. valid (no NOTES field message)

In Point-to-Point data reductions, flagging priority for unknowns will be:

1. EMPTY
2. NO SAMPLE, VOID, or ? STATUS
3. OPD TIME
4. Calculated Concentration

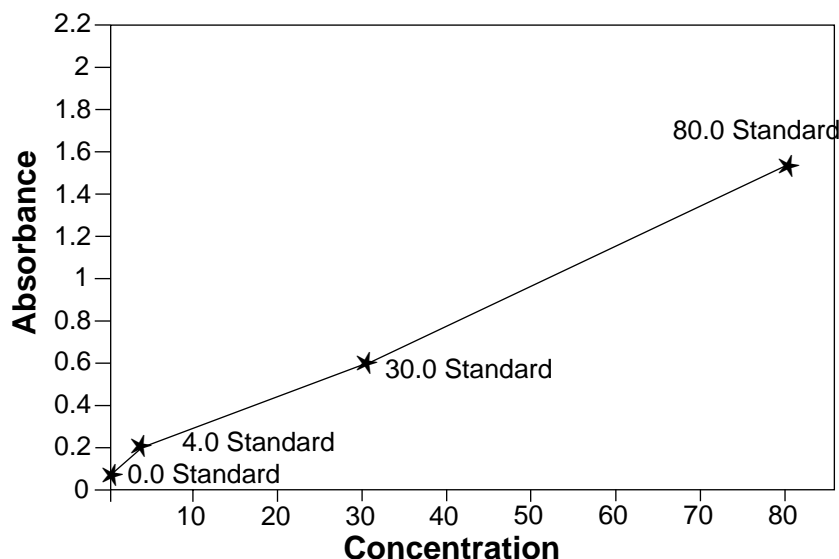


Figure 4.1: Example of a Point-to-Point Curve

Appendix B of this document contains printouts of the RS-232 port data stream of an assay run for each of these types. These printouts aid in determining how to parse the output.



NOTE: Serial port transmission with or without a checksum per line is available. Checksum is normally “ON” but may be disabled. See Appendix A for instructions how to **enable or disable the checksum**.

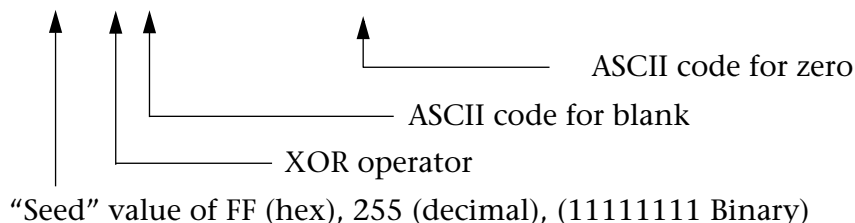
Checksum Calculation

The algorithm for the checksum uses the exclusive OR (XOR) operation. The algorithm is applied as follows in this example (@ is the XOR operator):

If line of data = “”00...E<CR><LF>”

Then checksum for this line would be done this way:

FFh @ “” @ “” @ “” @ “” @ “0” @ “0” @ ...@ “E” @ “<CR>” @ “<LF>”



The “Seed” value of FF (hex), 255 (decimal), (11111111 Binary) is loaded in first for each line of output.



NOTE: ‘ denotes a space

<CR> denotes Carriage Return

<LF> denotes Line Feed

The checksum consists of two hexadecimal digits (0-9, A-F). If the checksum option is ON for the DMS port, then those two characters are placed immediately before the <CR><LF> characters. However, the <CR> (ODh) and <LF> (OAh) are included in the checksum. Thus a blank line, which consists only of a <CR> and a <LF> would look like this:

F8<CR><LF>

while the line of data (note that the character ‘ represents a space):

”0000367b’C3”0.563”””””REACTIVE’<CR><LF>

would look like this with a checksum:

”0000367b’C3”0.563”””””REACTIVE’F3<CR><LF>

Message Content/Format

Examples of Data Content

The PPC runs Cutoff and Point-to-Point assays. The PPC sample results printout is different for the two assay types. Examples of both Cutoff and Point-to-Point assay sample results are shown in the following pages of Section 5.

Samples of each type are included in Appendix B to this Interface Specification and in the PPC Operations Manual.

Notes are also described in Section 5.

Lexical Rules Used

9	used to denote any digit
X	used to denote an alphanumeric character
\$	used to denote a blank or a - (negative) sign
Q	used to denote a blank, a > (greater than) sign or a < (less than) sign
<CR><LF>	used to denote a CR and a LF together, also used to denote a blank line
MM/DD/YY	used to denote a date
HH:MM:SS	used to denote time of day
'	used to denote blank character space

It may be assumed each line ends with a <CR><LF>.

The intent of the document is not to describe the physical layout of each field (number of digits, starting and ending columns, etc.), but to let the reader know about the values that may appear in the output fields. The physical layout of the fields on the PPC output is very consistent. Each field will always start in the same column with two exceptions. For Cutoff and Point-to-Point assays, any Absorbance Value that is actually greater than the printed value (where the actual value had to be suppressed) will have a ">" sign in front of the Absorbance Value. For a Point-to-Point assay, a concentration that is outside of the range of the standards will have a "<" or a ">" sign in front of the concentration.

Header

When the COMMANDER PPC is powered up it prints and transmits this header:

```
*****
'Welcome'to'the'ABBOTT
'PARALLEL'PROCESSING'CENTER
'MM/DD/YY'HH:MM:SS'V:99.99'SN:'XXXXXXX
'Copyright'9999'by'ABBOTT'LABORATORIES
*****
<CR><LF>
<CR><LF>
<CR><LF>
```

Note 1

Note 33


Calibration

When calibration is run on the PPC it prints and transmits the following.

```
*****
TPC'Mode':'OFF'
*****
'Calibration'XXXXXX
'Date':'MM/DD/YY' 'HH:MM:SS' 'SN:'XXXXXXX'
*****
'Col'5' 'Col'4' 'Col'3' 'Col'2' 'Col'1'
Mean:$9.999'$9.999'$9.999'$9.999'$9.999'
Std:'9.999'9.999'9.999'9.999'9.999'
*****
<CR><LF>
<CR><LF>
<CR><LF>
```

Note 30

Note 33



NOTE: The Calibration tray map may be selected for printing and transmission. Refer to the Appendix for an example.

Layout

In the following example of a Cutoff Assay with TPC = Off, data fields in the PPC printout are provided in a standard 40-character layout. (Sample wells B3 through M3 are not shown to avoid redundancy).

```

Note 2  +-----+
        | ^ ' ' ' ' BATCH ' ' INFO ' ' ' ^ |
        +-----+
        ASSAY '# ' 99 ' ' ' NAME: 'XXXXXXXXXXXXXXXXXXXXX'
Note 3  TECH ID: 'XXX' LOT '# 'XXXXXXXXXXXXX' TEST '#99
        DATE: 'MM/DD/YY' ' ' ' TIME: 'HH:MM:SS' ' ' '
        PPC SERIAL NUMBER 'XXXXXXXX' ' ' ' ' ' ' '
        OPD Timing = 'Verified' ' ' ' ' ' ' '
        Minimum Time = '999' ' ' Maximum Time = '999'
        +-----+
Note 4  | CUTOFF = ($9.999)NCX + ($9.999)PCX + $9.999 |
        +-----+
        ' ' ' ' TRAY ID ' ' ' ' SIZE ' ' ' STATUS ' ' '
        +-----+
Note 5  | 'XXXXXXXXXXXXX' ' ' 99 ' ' ' XXXXXXXX ' ' '
        | 'XXXXXXXXXXXXX' ' ' 99 ' ' ' XXXXXXXX ' ' '
        <CR><LF>
        +-----+
Note 7  | ^ TRAY# 'XXXXXXXXXXXXX' ^ |
        | ' ' DATE: 'MM/DD/YY' ' ' ' TIME: 'HH:MM:SS' ' ' |
        +-----+
        <CR><LF>
        ' ' ' ' WELL ABSORB ' ' ' ' ' ' '
Note 8  ' ' I.D.# ' ' ' ' LOC. ' ' DIFF ' ' ' ' NOTES '
        ===== ' ' ===== ' ' =====
        BLANK ' ' ' ' A1 ' Q$9.999 ' ' ' ' XXXXXXXX '
        BLANK ' ' ' ' A2 ' Q$9.999 ' ' ' ' XXXXXXXX '
        BLANK ' ' ' ' A3 ' Q$9.999 ' ' ' ' XXXXXXXX '
        BLANK ' ' ' ' A4 ' Q$9.999 ' ' ' ' XXXXXXXX '
        BLANK ' ' ' ' A5 ' Q$9.999 ' ' ' ' XXXXXXXX '
        +-----+
        ' ' ' AVERAGE ' = ' ' Q$9.999 ' ' ' 99.9 ' ' '
        <CR><LF>
        +-----+
        | ^ TRAY# 'XXXXXXXXXXXXX' ^ |
        | ' ' DATE: 'MM/DD/YY' ' ' ' TIME: 'HH:MM:SS' ' ' |
        +-----+
        <CR><LF>
        ' ' ' ' WELL ABSORB ' ' ' ' ' ' '
        ' ' I.D.# ' ' ' ' LOC. ' ' DIFF ' ' ' %CV ' ' ' NOTES '
        ===== ' ' ===== ' ' =====
Note 9  ^ ' ' ' ' CONTROLS ^ ^
        +-----+
Note 10 NEGATIVE CONTROL ' ' ' ' ' ' '
        +-----+
Note 11 ' ' ' ' ' A1 ' Q$9.999 ' ' ' ' XXXXXXXX '
        ' ' ' ' A2 ' Q$9.999 ' ' ' ' XXXXXXXX '
        ' ' ' ' A3 ' Q$9.999 ' ' ' ' XXXXXXXX '
        +-----+
        ' ' ' AVERAGE ' = ' ' Q$9.999 ' ' ' 99.9 ' ' '
Note 12 POSITIVE CONTROL ' ' ' ' ' ' '
        +-----+
        ' ' ' ' A4 ' Q$9.999 ' ' ' ' XXXXXXXX '
        ' ' ' ' A5 ' Q$9.999 ' ' ' ' XXXXXXXX '
        +-----+
        ' ' ' AVERAGE ' = ' ' Q$9.999 ' ' ' 99.9 ' ' '
        <CR><LF>
        POSITIVE ' - ' NEGATIVE ' = ' Q$9.999 ' ' ' '
        CUTOFF VALUE ' = ' Q$9.999 ' ' ' '
Note 13
        <CR><LF>
        +-----+
        ^ ' ' ' ' SAMPLES ^ ^
Note 16
        +-----+
        XXXXXXXXXXXX B1 ' Q$9.999 ' ' ' ' REACTIVE *
Note 17
        +-----+
        XXXXXXXXXXXX B2 ' Q$9.999 ' ' ' ' LOW '
Note 23
        +-----+
        XXXXXXXXXXXX B3 ' ' ' ' ' VOID ' ' '
        +-----+
        XXXXXXXXXXXX B4 ' Q$9.999 ' ' ' ' . . .
        +-----+
        XXXXXXXXXXXX B5 ' *ERROR ' ' ' ' E * R * O * R
        +-----+
        +-----+
        XXXXXXXXXXXX M1 ' Q$9.999 ' ' ' ' REACTIVE '
        +-----+
        XXXXXXXXXXXX M2 ' Q$9.999 ' ' ' ' . . .
        +-----+
        XXXXXXXXXXXX M3 ' ' ' ' ' VOID ' ' '
        XXXXXXXXXXXX M4 ' ' ' ' ' EMPTY ' ' '
        XXXXXXXXXXXX M5 ' ' ' ' ' EMPTY ' ' '
        +-----+
        | ^ ' ' ' END OF BATCH ' ' ' ^ |
Note 18
        | ' ' DATE: 'MM/DD/YY' ' ' ' TIME: 'HH:MM:SS' ' ' |
        +-----+
        <CR><LF>
Note 33
        <CR><LF>
        <CR><LF>

```

In Cutoff assays with a TPC Mode of Verify or Record, the layout of the printout includes the following additional fields. Refer to examples of printouts with a TPC Mode of Verify for location of fields within the batch output.

TPC Batch Header

Note 3

Note 6



NOTE: Blanks tray TPC report section has no Pipettor information.

TPC Batch Component Information

TPC Tray Header

Note 7

```
+-----+
| ^ ' ' ' BATCH ' ' INFO ' ' ^ |
+-----+
ASSAY '# ' 99 ' ' NAME: 'XXXXXXXXXXXXXXXXXXXXX'
LIST '# -PROCEDURE: 'XXXXXX-XX'
TECH 'ID ' 1: 'XXXXXX'
TECH 'ID ' 2: 'XXXXXX'
TECH 'ID ' OPD: 'XXXXXX'
TECH 'ID ' ACID: 'XXXXXX'
TPC 'MODE' = 'XXXXXX'
PPC 'SERIAL' NUMBER 'XXXXXX'
PPC 'VERSION' NUMBER '99.99'
DATE: 'MM/DD/YY' ' ' 'TIME: 'HH:MM:SS' ' '
Sample 'ID' Size '= '20'
+-----+
| 'CUTOFF= ($9.999)NCX+ ($9.999)PCX+$9.999 |
+-----+
' ' ' ' 'TRAY' ID ' ' ' 'SIZE' ' ' 'STATUS' ' '
' ' 'XXXXXXXXXXXX' ' '99' ' 'XXXXXXXXXXXX'
' ' 'XXXXXXXXXXXX' ' '99' ' 'XXXXXXXXXXXX'
<CR><LF>
TPC 'INFORMATION: ' ' ' ' ' ' ' ' ' ' ' '
===== ' ' ' ' ' ' ' ' ' ' ' '
' ' ' ' 'TYPE' EXPIRATION' ' ' ' ' 'LOT#' ' ' 'DEV. '
' ' ' ' 'XXXXXXXX' MM/DD/YY' ' ' ' 'XXXXXXXXXXXX' XXXX'
' ' ' ' 'XXXXXXXX' MM/DD/YY' ' ' ' 'XXXXXXXXXXXX' XXXX'
' ' ' ' 'XXXXXXXX' MM/DD/YY-HH:MM:SS' ' ' ' 'XXXXXXXXXXXX' XXXX'
' ' ' ' 'XXXXXXXX' MM/DD/YY' ' ' ' 'XXXXXXXXXXXX' XXXX'
' ' ' ' 'XXXXXXXX' MM/DD/YY' ' ' ' 'XXXXXXXXXXXX' XXXX'
' ' ' ' 'XXXXXXXX' MM/DD/YY' ' ' ' 'XXXXXXXXXXXX' XXXX'
<CR><LF>
+-----+
| ^ 'TRAY# 'XXXXXXXXXXXX' ^ |
| TPC 'INFORMATION: ' ' ' ' ' ' ' ' ' ' ' '
| ' ' ' ' 'TYPE' EXPIRATION' ' ' ' ' 'LOT#' ' ' 'DEV. '
| ' ' ' ' 'XXXXXXXX' MM/DD/YY' ' ' ' 'XXXXXXXXXXXX' XXXX'
| ' ' ' ' 'DATE: 'MM/DD/YY' ' ' ' 'TIME: 'HH:MM:SS' ' '
+-----+
<CR><LF>
' ' ' ' 'WELL' ABSORB' ' ' ' ' '
' ' ' ' 'I.D.#' ' ' ' 'LOC.' ' ' 'DIFF' ' ' ' 'NOTES' '
===== ' ' ' ' ' ' ' ' ' ' ' '
BLANK ' ' ' ' 'A1' Q$9.999' ' ' ' ' 'XXXXXXXX'
BLANK ' ' ' ' 'A2' Q$9.999' ' ' ' ' 'XXXXXXXX'
BLANK ' ' ' ' 'A3' Q$9.999' ' ' ' ' 'XXXXXXXX'
BLANK ' ' ' ' 'A4' Q$9.999' ' ' ' ' 'XXXXXXXX'
BLANK ' ' ' ' 'A5' Q$9.999' ' ' ' ' 'XXXXXXXX'
' ' ' ' 'AVERAGE' = ' 'Q$9.999' ' ' ' ' '
<CR><LF>
+-----+
| ^ 'TRAY# 'XXXXXXXXXXXX' ^ |
| TPC 'INFORMATION: ' ' ' ' ' ' ' ' ' ' ' '
| ' ' ' ' 'TYPE' EXPIRATION' ' ' ' ' 'LOT#' ' ' 'DEV. |
```

In Point-to-Point assays, the layout of the printout includes the following fields:

```

+-----+
| ^ ' ' ' BATCH ' ' INFO ' ' ' ^ |
+-----+
ASSAY '# '99' ' ' NAME: 'XXXXXXXXXXXXXXXXXXXXX'
TECH ID: 'XXX' ' LOT '# 'XXXXXXXXXXXXX' TEST '#99
DATE: 'MM/DD/YY' ' ' ' TIME: 'HH:MM:SS' ' ' '
PPC SERIAL NUMBER 'XXXXXXX' ' ' ' ' ' ' '
+-----+
| ' ' 'XXXXXXXXXXXXX' ' '99' ' ' STANDARDS' ' ' '
| ' ' 'XXXXXXXXXXXXX' ' '99' ' ' ' ' ' ' '
<CR><LF>
+-----+
| ^ TRAY# 'XXXXXXXXXXXXX' ^ |
| ' ' DATE: 'MM/DD/YY' ' ' ' TIME: 'HH:MM:SS' ' |
+-----+
<CR><LF>
+-----+
| ' ' ' ' ' WELL' ABSORB' ' ' ' ' ' ' ' CONC. ' '
| ' I.D.# ' ' ' ' ' LOC. ' ' DIFF ' ' ' %CV ' ' ' 'mIU/mL' '
| ===== ' ' ' ===== ' ' ' ===== ' ' ' =====
+-----+
| ^ ' ' ' STANDARDS' ' ' ' ^
+-----+
STANDARD '#1' ' - ' CONCENTRATION ' = ' '999.999'
+-----+
| ' ' ' ' ' A1 ' Q$9.999 ' ' ' ' ' ' XXXXXXXXXX
| ' ' ' ' ' A2 ' Q$9.999 ' ' ' ' ' ' XXXXXXXXXX
| ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '
| ' ' ' AVERAGE ' = ' ' Q$9.999 '99.9% ' ' ' ' '
+-----+
| STANDARD '#2' ' - ' CONCENTRATION ' = ' '999.999'
+-----+
| ' ' ' ' ' A3 ' '0.090' ' ' ' ' ' ' XXXXXXXXXX
| ' ' ' ' ' A4 ' '0.091' ' ' ' ' ' ' XXXXXXXXXX
| ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '
| ' ' ' AVERAGE ' = ' ' '0.091' '0.8% ' ' ' ' '
+-----+
| STANDARD '#3' ' - ' CONCENTRATION ' = ' '999.999'
+-----+
| ' ' ' ' ' A5 ' '0.248' ' ' ' ' ' ' XXXXXXXXXX
| ' ' ' ' ' B1 ' '0.195' ' ' ' ' ' ' XXXXXXXXXX
| ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '
| ' ' ' AVERAGE ' = ' ' '0.222' '16.9% ' ' ' ' '
+-----+
| ^ ' ' ' SAMPLES ^
| ' ' ' ' ' UNKNOWN' DILUTION ' = ' '9999.99' ' ' ' '
+-----+
| ' ' ' ' ' C1 ' Q$9.999 ' ' ' ' ' ' Q$9.99 ' '
| ' ' ' ' ' C2 ' Q$9.999 ' ' ' ' ' ' Q$9.99 ' '
| ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '
| ' ' ' AVERAGE ' = ' ' Q$9.999 '999.9% ' ' ' ' '
| ' ' ' CALCULATED ' CONC. ' = ' ' ' ' ' XXXXXX ' Q$9.99 ' '
+-----+
| ' ' ' ' ' C3 ' Q$9.999 ' ' ' ' ' ' Q$9.99 ' '
| ' ' ' ' ' C4 ' Q$9.999 ' ' ' ' ' ' Q$9.99 ' '
| ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '
| ' ' ' AVERAGE ' = ' ' Q$9.999 '999.9% ' ' ' ' '
| ' ' ' CALCULATED ' CONC. ' = ' ' ' ' ' XXXXXX ' Q$9.99 ' '
+-----+
| ' ' ' ' ' C5 ' Q$9.999 ' ' ' ' ' ' Q$9.99 ' '
| ' ' ' ' ' D1 ' Q$9.999 ' ' ' ' ' ' Q$9.99 ' '
| ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '
| ' ' ' AVERAGE ' = ' ' Q$9.999 '999.9% ' ' ' ' '
| ' ' ' CALCULATED ' CONC. ' = ' ' ' ' ' XXXXXX ' Q$9.99 ' '
+-----+

```

Note 24 →

Note 25 →

Note 26 →

Note 27 →

Note 16 →

Note 28 →

Note 18 ←

Note 33 ←



NOTE: Up to 8 Standards may be defined.



NOTE: Formats shown for floating point numbers represent the maximum value.

Examples of Printouts

Cutoff Assays

Valid Controls, TPC = Off

Note 2	BATCH INFO	0000102M B4	0.018	...	
Note 3	ASSAY # 3 NAME: SAMPLE A TECH ID: LRJ LOT # 1234567890 TEST #24 DATE: 10/06/97 TIME: 10:17:00 PPC SERIAL NUMBER 0001769	0000103M B5	0.014	...	
Note 4	CUTOFF=(1.000)NCX+(0.000)PCX+ 0.050	0000104M C1	0.011	...	
Note 5	TRAY ID SIZE STATUS 00006M 20 BLANKS 11116M 20 CONTROLS	0000105M C2	> 2.200	REACTIVE	Note 23
Note 7	TRAY# 00006M DATE: 10/06/97 TIME: 10:24:12	0000106M C3		NO SAMPLE	
Note 8	I.D.# WELL ABSORB LOC. DIFF NOTES BLANK A1 0.000 BLANK A2 0.001 BLANK A3 0.000 BLANK A4 0.001 BLANK A5 0.000 AVERAGE = 0.000	0000107M C4	0.009	...	
	TRAY# 11116M DATE: 10/06/97 TIME: 10:25:05	0000108M C5	0.002	...	
	I.D.# WELL ABSORB LOC. DIFF %CV NOTES A1 0.057 A2 0.052 A3 0.047 AVERAGE = 0.052 9.6	0000109M D1		NO SAMPLE	
Note 9	CONTROLS	0000110M D2	0.001	...	
Note 10	NEGATIVE CONTROL	D3		EMPTY	
Note 11	A1 0.057 A2 0.052 A3 0.047 AVERAGE = 0.052 9.6	0000111M D4	0.010	...	
Note 12	POSITIVE CONTROL	0000112M D5	0.003	...	
	A4 0.778 A5 0.698 AVERAGE = 0.738 7.7	END OF BATCH DATE: 10/06/97 TIME: 10:25:33			Note 18
Note 13	POSITIVE - NEGATIVE = 0.686 CUTOFF VALUE = 0.102				
Note 16	SAMPLES				
Note 17	0000099M B1 0.229 REACTIVE 0000100M B2 VOID 0000101M B3 0.003 ...				

Invalid Controls, TPC = Off

Note 2	----- BATCH INFO -----			
	ASSAY # 3 NAME: SAMPLE B TECH ID: LRJ LOT # 1234567890 TEST #51 DATE: 10/06/97 TIME: 10:02:28 PPC SERIAL NUMBER 0001769 ----- CUTOFF=(1.000)NCX+(0.000)PCX+ 0.050 -----			
Note 3	----- TRAY ID SIZE STATUS -----			
	00005M 20 BLANKS 11115M 20 ARCHIVED -----			
Note 4	----- TRAY# 00005M DATE: 10/06/97 TIME: 10:15:42 -----			
	----- I.D.# WELL ABSORB LOC. DIFF NOTES =====			
Note 5	BLANK A1 -0.005 BLANK A2 0.002 BLANK A3 0.005 BLANK A4 -0.006 BLANK A5 0.014 -----			
	AVERAGE = 0.002 -----			
Note 7	----- TRAY# 11115M DATE: 10/06/97 TIME: 10:16:00 -----			
	----- I.D.# WELL ABSORB LOC. DIFF %CV NOTES =====			
Note 8	----- CONTROLS -----			
	NEGATIVE CONTROL ----- A1 0.018 A2 0.040 A3 0.097 ----- AVERAGE = 0.052 78.9 ----- RANGE = 0.026 TO 0.078 A1 0.018 ABERRANT A3 0.097 ABERRANT -----			
Note 9	----- POSITIVE CONTROL -----			
	A4 0.795 A5 0.716 ----- AVERAGE = 0.756 7.4 -----			
Note 10	=====			
	Date: 10/06/97 10:16:08 SN: 0001769 ERROR 2.1.1.35 Too many Aberrant values in Controls - No flagging will be done. =====			
Note 11	----- SAMPLES -----			
	013999M B1 0.228 OD ONLY! ----- 014000M B2 0.002 OD ONLY! ----- 014001M B3 0.002 OD ONLY! -----			

014002M B4	VOID
014003M B5	VOID
014004M C1 0.010	OD ONLY!
014005M C2 1.898	OD ONLY!
014006M C3 0.010	OD ONLY!
014007M C4 0.007	OD ONLY!
014008M C5 0.000	OD ONLY!
014009M D1 0.007	OD ONLY!
014010M D2 -0.001	OD ONLY!
014011M D3 0.002	OD ONLY!
014012M D4 0.009	OD ONLY!
014013M D5 0.002	OD ONLY!
----- BATCH ABORTED -----	
----- END OF BATCH DATE: 10/06/97 TIME: 10:16:32 -----	

Note 23

Note 22

Note 18

Positive-2 Control Defined, Invalid Controls, TPC = Off

Note 2	BATCH INFO			
Note 3	ASSAY # 17 NAME: SAMPLE C TECH ID: LRJ LOT # 124567890 TEST #32 DATE: 10/06/97 TIME: 10:27:27 PPC SERIAL NUMBER 0001769			
Note 4	CUTOFF=(1.000)NCX+(0.000)PCX+ 0.100			
Note 5	TRAY ID	SIZE	STATUS	
	00007M	20	BLANKS	
	11117M	20	CONTROLS	
Note 7	TRAY#		00007M	
	DATE: 10/06/97		TIME: 10:33:35	
Note 8	I.D.#	WELL LOC.	ABSORB DIFF	NOTES
	BLANK	A1	0.001	
	BLANK	A2	0.001	
	BLANK	A3	0.001	
	BLANK	A4	0.001	
	BLANK	A5	0.001	
	AVERAGE =		0.001	
	TRAY#		11117M	
	DATE: 10/06/97		TIME: 10:34:15	
Note 9	I.D.#	WELL LOC.	ABSORB DIFF	%CV NOTES
Note 10	NEGATIVE CONTROL			
Note 11		A1	0.055	
		A2	0.052	
		A3	0.046	
Note 12	AVERAGE =		0.051	9.0
	POSITIVE CONTROL			
		A4	0.778	
		A5	0.703	
	AVERAGE =		0.741	7.2
	POSITIVE - NEGATIVE =			0.690
	CUTOFF VALUE =			0.151
Note 14	POSITIVE-2 CONTROL			
		B1	0.226	REJECT
		B2	0.003	REJECT
Note 19	Date: 10/06/97 10:34:25 SN: 0001769 ERROR 2.1.1.57 Insufficient Positive-2 Controls - No flagging will be done.			

SAMPLES		
21008M B3	0.003	OD ONLY!
21009M B4	0.017	OD ONLY!
21010M B5	0.012	OD ONLY!
21011M C1		VOID
21012M C2 > 2.200		OD ONLY!
21013M C3	0.009	OD ONLY!
21014M C4	0.009	OD ONLY!
21015M C5	0.001	OD ONLY!
21016M D1	0.009	OD ONLY!
D2		EMPTY
21017M D3	0.003	OD ONLY!
21018M D4	0.010	OD ONLY!
21019M D5		NO SAMPLE
+-----+		
END OF BATCH		
DATE: 10/06/97	TIME: 10:34:43	
+-----+		

OPD Timing Set to "Verified," OPD Time Exceeded, TPC = Off

Note 2	BATCH INFO	C1	0.092	...
Note 3	ASSAY # 3 NAME: SAMPLE D TECH ID: LRJ LOT # 1234567890 TEST #26 DATE: 10/06/97 TIME: 10:36:04 PPC SERIAL NUMBER 0001769 OPD Timing = Verified Minimum Time = 30 Maximum Time = 35	C2	> 2.200	REACTIVE
Note 31	CUTOFF=(1.000)NCX+(0.000)PCX+ 0.050	C3	0.235	REACTIVE
Note 4	TRAY ID SIZE STATUS	C4	0.010	...
Note 5	00008M 20 BLANKS 11118M 20 CONTROLS	C5	0.191	REACTIVE
Note 7	TRAY# 00008M DATE: 10/06/97 TIME: 11:09:11	D1	0.008	OPD TIME
	I.D.# WELL ABSORB LOC. DIFF NOTES	D2	0.006	OPD TIME
Note 8	BLANK A1 0.001 BLANK A2 0.000 BLANK A3 -0.001 BLANK A4 0.000 BLANK A5 0.000 AVERAGE = 0.000	D3	0.007	OPD TIME
	TRAY# 11118M DATE: 10/06/97 TIME: 11:18:21	D4	0.008	OPD TIME
	I.D.# WELL ABSORB LOC. DIFF %CV NOTES	D5	0.016	OPD TIME
	CONTROLS	Row D incubation time=37 Exceeds limit		
Note 9	NEGATIVE CONTROL	END OF BATCH		
Note 10	A1 0.044 A2 0.050 A3 0.048	DATE: 10/06/97 TIME: 11:18:48		
Note 11	AVERAGE = 0.047 6.5			
Note 12	POSITIVE CONTROL			
	A4 0.776 A5 0.710 AVERAGE = 0.743 6.3			
Note 13	POSITIVE - NEGATIVE = 0.696 CUTOFF VALUE = 0.097			
Note 16	SAMPLES			
	B1 0.221 REACTIVE			
	B2 -0.001 ...			
Note 17	B3 0.012 ...			
	B4 0.168 REACTIVE			
	B5 0.013 ...			
		Note 23		

OPD Timing Set to "Verified," 20-Character Sample IDs,TPC = Verify

Note 2	----- +-----+ -----> BATCH INFO ----- +-----+	I.D.# WELL ABSORB LOC. DIFF %CV NOTES ===== == =====
Note 3	ASSAY # 17 NAME: SAMPLE E LIST #-PROCEDURE: 3A77- TECH ID 1: LRJLRJ TECH ID 2: TECH ID OPD: TECH ID ACID: TPC MODE = VERIFY PPC SERIAL NUMBER 0001769 PPC VERSION NUMBER 8CA1 DATE: 10/06/97 TIME: 11:45:57 OPD Timing = Verified Minimum Time = 28 Maximum Time = 32 Sample ID Size = 20	CONTROLS ----- NEGATIVE CONTROL ----- A1 0.051 A2 0.048 A3 0.045 ----- AVERAGE = 0.048 6.3 POSITIVE CONTROL ----- A4 0.781 A5 0.707 ----- AVERAGE = 0.744 7.0 ----- POSITIVE - NEGATIVE = 0.696 CUTOFF VALUE = 0.148 ----- POSITIVE-2 CONTROL ----- B1 1.356 B2 1.463 ----- AVERAGE = 1.410 5.4 ----- POSITIVE-2 - NEGATIVE = 1.362 -----
Note 31	+-----+ CUTOFF=(1.000)NCX+(0.000)PCX+ 0.100 +-----+	----- Note 9 Note 10 Note 11 Note 12 Note 13 Note 14 Note 15 Note 16 Note 17 Note 23
Note 4	----- +-----+ TRAY ID SIZE STATUS -----+ 00009M 20 BLANKS 11119M 20 CONTROLS 12222M 20 +-----+	SAMPLES ----- 01625b B3 0.007 ... ----- 01626b B4 0.202 REACTIVE ----- 45646 5354134564m B5 0.000 ... ----- 44665406 4646406454m C1 0.090 ... ----- 2345678901 4564564567m C2 > 2.200 REACTIVE ----- 3456789012 8765432108m C3 0.224 REACTIVE ----- C4 EMPTY ----- 5678901234 7865439093m C5 0.178 REACTIVE ----- 44665406 4646406454m D1 0.006 ... ----- 2345678901 4564564567m D2 0.000 ... ----- 3456789012 8765432108m D3 0.003 ... ----- D4 EMPTY ----- 5678901234 7865439093m D5 0.001 ... -----
Note 5	TPC INFORMATION: =====	
Note 6	TYPE EXPIRATION LOT# DEV. ----- ML 12/25/97 9876543210B RCJ1 12/25/97 111122234M OPD 12/25/97-00:00:01 222222333M ACID 12/25/97 456ACIDM	
Note 7	----- +-----+ TRAY# 00009M TPC INFORMATION: TYPE EXPIRATION LOT# DEV. ----- BKBD 12/25/97 9999999999M DATE: 10/06/97 TIME: 12:20:28 +-----+	
Note 8	----- +-----+ I.D.# WELL ABSORB LOC. DIFF NOTES ===== == ===== BLANK A1 -0.004 BLANK A2 0.002 BLANK A3 0.007 BLANK A4 -0.005 BLANK A5 0.015 ----- AVERAGE = 0.003 +-----+	
	----- +-----+ TRAY# 11119M TPC INFORMATION: TYPE EXPIRATION LOT# DEV. ----- BEAD 12/25/97 1034M203B NCN1 12/25/97 1034M200B PCN1 12/25/97 1034M201B PCN2 12/25/97 1034M202B PIPETTOR SERIAL NUMBER Pip SN PIPETTOR VERSION NUMBER 2.5 PIPETTOR TECH ID: FPCTID DATE: 10/06/97 TIME: 12:21:11 +-----+	

+-----+ TRAY# 12222M TPC INFORMATION: TYPE EXPIRATION LOT# DEV. ----- BEAD 12/25/97 1034M203B NCN1 12/25/97 1034M200B PCN1 12/25/97 1034M201B PCN2 12/25/97 1034M202B PIPETTOR SERIAL NUMBER Pip SN PIPETTOR VERSION NUMBER 2.5 PIPETTOR TECH ID: FPCTID DATE: 10/06/97 TIME: 12:22:07 -----+					← Note 7
+-----+ I.D.# WELL ABSORB LOC. DIFF %CV NOTES ===== == ===== -----+					
A1 -0.009 ...					← Note 17
A2 -0.002 ...					
A3 -0.003 ...					
A4 -0.006 ...					
A5 0.003 ...					
B1 -0.006 ...					← Note 23
B2 0.001 ...					
01625b B3 0.000 ...					
01626b B4 -0.004 ...					
45646 5354134564m B5 0.003 ...					
44665406 4646406454m C1 -0.005 ...					
2345678901 4564564567m C2 0.001 ...					
3456789012 8765432108m C3 0.004 ...					
C4 EMPTY					
5678901234 7865439093m C5 0.004 ...					
44665406 4646406454m D1 -0.001 ...					← Note 18
2345678901 4564564567m D2 0.000 ...					
3456789012 8765432108m D3 -0.002 ...					
D4 EMPTY					
5678901234 7865439093m D5 0.009 ...					
+-----+ END OF BATCH DATE: 10/06/97 TIME: 12:22:36 -----+					

Positive-3 Control Defined,
OPD Timing = “Verified”, TPC = Off


Note 2	BATCH INFO	POSITIVE-3 CONTROL	
	ASSAY # 79 NAME: SAMPLE K	B3 1.080	
	TECH ID: LRJ LOT # 11111M1000 TEST #77	B4 1.448	
Note 3	DATE: 10/15/97 TIME: 17:15:17	AVERAGE = 1.264 20.6	
	PPC SERIAL NUMBER 0001769	POSITIVE-3 - NEGATIVE = 1.188	
	OPD Timing = Verified		
	Minimum Time = 28 Maximum Time = 32		
Note 4	CUTOFF=(1.000)NCX+(0.000)PCX+ 0.100	SAMPLES	
		1357927294M B5 0.067 ...	
Note 5	TRAY ID SIZE STATUS	1357927295M C1 0.051 ...	
	96500M 20 BLANKS	1357927296M C2 *ERROR E*R*R*O*R	
	9654739M 20 CONTROLS	1357927297M C3 0.450 REACTIVE	Note 23
Note 7	TRAY# 96500M	1357927298M C4 0.042 ...	
	DATE: 10/15/97 TIME: 17:59:18	1357927299M C5 0.068 ...	
		D1 EMPTY	
	I.D.# WELL ABSORB	1357927300M D2 0.042 ...	
	LOC. DIFF NOTES	1357927301M D3 0.082 ...	
	=====	1357927302M D4 0.125 ...	
Note 8	BLANK A1 0.000	1357927303M D5 VOID	
	BLANK A2 0.000	END OF BATCH	
	BLANK A3 -0.001	DATE: 10/15/97 TIME: 18:02:05	
	BLANK A4 0.000		
	BLANK A5 -0.001		
	AVERAGE = 0.000		
	TRAY# 9654739M		
	DATE: 10/15/97 TIME: 18:00:25		
	I.D.# WELL ABSORB		
	LOC. DIFF %CV NOTES		
	=====		
Note 9	CONTROLS		
Note 10	NEGATIVE CONTROL		
	A1 0.086		
	A2 0.074		
Note 11	A3 0.069		
	AVERAGE = 0.076 11.4		
	POSITIVE CONTROL		
	A4 1.129		
	A5 1.233		
	AVERAGE = 1.181 6.2		
Note 12	POSITIVE - NEGATIVE = 1.105		
	CUTOFF VALUE = 0.176		
	POSITIVE-2 CONTROL		
	B1 1.062		
	B2 1.504		
	AVERAGE = 1.283 24.4		
	POSITIVE-2 - NEGATIVE = 1.207		

Other Batch Headers

Note 32

RETRANSMIT			
BATCH INFO			
ASSAY # 17 NAME: SAMPLE G			
TECH ID: LRJ LOT # 12345M6001 TEST #31			
DATE: 10/15/97 TIME: 16:03:30			
PPC SERIAL NUMBER 0001769			
OPD Timing = Verified			
Minimum Time = 28 Maximum Time = 32			
Sample ID Size = 20			
CUTOFF=(1.000)NCX+(0.000)PCX+ 0.100			
TRAY ID		SIZE	STATUS
23000M		20	BLANKS
23001M		60	ARCHIVED
TRAY#		23000M	
DATE: 10/15/97		TIME: 16:40:14	
I.D.#	WELL	ABSORB	NOTES
	LOC.	DIFF	
BLANK	A1	0.000	
BLANK	A2	0.000	

Note 20

REREAD					
BATCH INFO					
ASSAY # 60		NAME: SAMPLE F			
TECH ID: LRJ		LOT # 1234567890		TEST #74	
DATE: 10/06/97		TIME: 09:24:50			
PPC SERIAL NUMBER 0001769					
11112M		60		ARCHIVED	
TRAY# 11112M					
DATE: 10/09/97		TIME: 10:01:17			
I.D.#	WELL	ABSORB	CONC.		
	LOC.	DIFF	%CV	mIU/mL	
=====	==	=====	=====	=====	
STANDARDS					
STANDARD #1 - CONCENTRATION = 0.000					
A1		0.035			
A2		0.039			

Note 32

Note 20

RETRANSMIT			
REREAD			
BATCH INFO			
ASSAY # 60 NAME: SAMPLE F			
TECH ID: LRJ LOT # 1234567890 TEST #74			
DATE: 10/06/97		TIME: 09:24:50	
PPC SERIAL NUMBER 0001769			
11112M	60	ARCHIVED	
TRAY# 11112M			
DATE: 10/09/97		TIME: 10:01:17	
I.D.#	WELL	ABSORB	CONC.
	LOC.	DIFF	%CV mIU/mL
=====	==	=====	=====
STANDARDS			
STANDARD #1 - CONCENTRATION = 0.000			
	A1	0.035	
	A2	0.039	

Other Batch Trailers

Note 21

```

      M4  0.002      < 0.00
      M5  0.003      < 0.00
-----
AVERAGE =    0.003  28.3%
CALCULATED CONC. =      *****  0.00
+-----+
|  END OF BATCH  |
| DATE: 10/09/97  TIME: 10:02:52 |
+-----+
*****
* When rereading assays, operator must *
* verify that all package insert spec- *
* ifications (timing and assay validity *
* checks) are met in order to have a   *
* valid run.                            *
* See Operations Manual, Special        *
* Operating Procedures.                  *
*****
```

Note 22

Note 18

```

11127M M4  0.139      REACTIVE
11127M M5                                VOID
+-----+
|████████████████████████████████████████████████████████████████████████████████|
|Date: 10/13/97  17:24:44  SN: 0001769|
|Status: 0009|
|Tray Voided:      66666|
|████████████████████████████████████████████████████████████████████████████████|
+-----+
|  BATCH ABORTED  |
+-----+
+-----+
|  END OF BATCH  |
| DATE: 10/13/97  TIME: 17:24:47 |
+-----+
```

Valid Reference Standards, TPC = Off

AVERAGE =	0.442	14.6%
CALCULATED CONC.	=	11.0% 40.70
E1	0.397	37.60
E2	0.439	40.53
AVERAGE =	0.418	7.1%
CALCULATED CONC.	=	5.3% 39.07
E3	0.025	
Date:	10/09/97	15:37:46 SN: 0001769
Error	2.1.1.53	
Sample below Minimum Sample Absorbance		
E4	1.326	
E5	0.804	65.98
F1	1.400	> 80.00
AVERAGE =	1.102	38.2%
CALCULATED CONC.	=	***** > 72.99

§

M3	EMPTY
M4	EMPTY
M5	EMPTY
+-----+-----+	
END OF BATCH	
DATE: 10/09/97	TIME: 15:37:59
+-----+-----+	

Sample wells F2 through M2 are not shown to avoid redundancy.

Invalid Reference Standards, TPC = Off

Note 2

BATCH INFO				

ASSAY # 61 NAME: SAMLPE H				
TECH ID: LRJ LOT # 1234567890 TEST #17				
DATE: 10/09/97 TIME: 15:04:44				
PPC SERIAL NUMBER 0001769				

21111M 60 STANDARDS				

TRAY# 21111M				
DATE: 10/09/97 TIME: 15:13:38				

I.D.# WELL ABSORB CONC.				
LOC. DIFF %CV mIU/mL				
=====				
STANDARDS				

STANDARD #1 - CONCENTRATION = 0.000				

A1 0.035				
A2 EMPTY				
A3 0.098				
A4 0.099				

AVERAGE = 0.077 47.4%				

STANDARD #2 - CONCENTRATION = 15.000				

A5 0.261				
B1 VOID				
B2 0.314				

AVERAGE = 0.288 13.0%				

STANDARD #3 - CONCENTRATION = 40.000				

B3 0.347				
B4 1.263				
B5 1.410				

AVERAGE = 1.007 57.2%				

Date: 10/09/97 15:13:50 SN: 0001769				
ERROR 2.1.1.42				
Std A/Std B First Ratio test failed -				
No concentrations will be calculated.				

SAMPLES				
UNKNOWN DILUTION = 2.000				

C1 0.297				
C2 0.288				

C3 0.307				
C4 0.407				

C5 0.297				
D1 0.273				

D2 NO SAMPLE				
D3 0.509				

D4 0.490				
D5 0.396				

E1 0.398				
E2 0.444				

Note 27

Note 19

Note 16

Note 17

E3	0.028	
E4	1.336	

E5	0.809	
F1	1.419	
F2		EMPTY

\$

M4		EMPTY
M5		EMPTY

END OF BATCH		
DATE: 10/09/97 TIME: 15:14:24		

Note 29

Note 18

Sample wells F3 through M3 are not shown to avoid redundancy.

Note 28

Note 2

Note 3

Note 24

Note 6

Note 7

Note 25

Note 26

Note 27 -

STANDARD #4 - CONCENTRATION = 80.000

← **Note 16**

Note 17

Note 28

← **Note 18**

Notes for Printout Examples

Following are the explanations of the notes which are called out in the printout examples.

Note 1. Initialization of PPC

This header designates that the PPC has been initialized. If this is seen while collecting batch data, the transmission has been terminated prematurely with no batch trailer.

Note 2. Start of a Batch

This header designates the start of a batch, which may contain 1 blanks tray, 1 control or standards tray, and up to 9 sample trays.



NOTE: When interfacing a host computer, configure the host computer system to terminate the first batch when the BATCH INFO header from the subsequent batch is received. This should be done in addition to configuring the host computer system to terminate data collection when the batch trailer is identified (*e.g.*, END OF BATCH).

Note 3. Batch Information

With TPC Mode = Off, batch information consists of the following:

- Assay number (up to 2 digits)
- Assay name (up to 20 characters)
- Tech ID (1-3 characters)
- Lot Number (up to 10 characters)
- Assay's Protocol Select test number (2 digits)
- Date batch was started or last archived
- Time batch was started or last archived
- PPC Serial Number (7 characters)
- Sample ID size (2 digits) if 20 characters selected



NOTE: If the PPC's real-time clock fails, the date or the time fields may be filled with “#” characters.

With OPD Timing set to Verified, batch information consists of the following:

- OPD Timing mode (8 characters)
- OPD Minimum and Maximum Time (3 characters each)

With TPC Mode = Record or Verify, batch information consists of the following:

- Assay number (up to 2 digits)
- Assay name (up to 20 characters)
- List # – (up to 8 characters)
Procedure (up to 2 characters)
- Tech ID 1 (up to 6 characters)
- Tech ID 2 (up to 6 characters)
- Tech ID OPD (up to 6 characters)
- Tech ID Acid (up to 6 characters)
- TPC Mode (up to 6 characters)
- PPC Serial Number (7 characters)
- PPC Version Number (up to 5 characters)
- Date batch was started or last archived
- Time batch was started or last archived
- Sample ID size (2 digits) if 20 characters selected

Note 4. Cutoff Equation

The printed cutoff equation for this assay as it is stated in the assay protocol.

Note 5. Tray List (Cutoff Assay)

The tray list can contain up to 11 trays (1 blanks tray, 1 control tray, and up to 9 sample trays). This list shows how the trays will be sequenced through the batch run. Voided trays will not be processed in the batch run. There are three fields for each tray in the tray list:

- 5.1. Tray ID consists of 11 characters:
 - 5.1.1 Up to 10 digits of actual ID.
 - 5.1.2 A source ID, which is either “M” (for Manually entered ID) or “B” (for Barcoded ID), and indicates how tray was identified on last pass.
- 5.2. Tray Size which can be “20”, “60”, or “?”. If the “?” occurs, that means the PPC does not know the tray size, and may indicate a Web Switch error.

- 5.3. Tray Status, which can be one of the following (in order of precedence):
 - 5.3.1 VOIDED - tray is still a part of the batch, but will not be processed.
 - 5.3.2 BLANKS (cutoff only) - tray is a blanks tray.
 - 5.3.3 ARCHIVED - tray has undergone final read before.
 - 5.3.4 CONTROLS (cutoff only) - tray is first tray of the batch and has the Positive and Negative Controls.
 - 5.3.5 “ ” (no status) - tray is a sample tray.

Note 6. TPC Batch Component Information (Record or Verify Mode)

The following information is printed once per batch.

- 6.1 Type (up to 4 characters)
- 6.2 Expiration (up to 17 characters)
- 6.3 Lot number consists of 11 characters:
 - 6.3.1 Up to 10 digits of actual lot number.
 - 6.3.2 A source ID which is either “M” (for manually entered ID) or “B” (for ID entered via bar code).
- 6.4 Deviation (up to 4 characters)

Note 7. Tray Header

The following information is printed once per tray in a batch.

For assays with TPC = Off, this indicates the start of reading a tray. There are three fields:

- 7.1 Tray ID (see 5.1)
- 7.2 Present date (at printing)
- 7.3 Present time (at printing)

For assays having a TPC Mode of Record or Verify, the following fields are printed as TPC Information, prior to the date and time:

- 7.4 Component type (up to 4 characters)
- 7.5 Expiration date (up to 8 characters)

- 7.6 Lot number consists of 11 characters:
 - 7.6.1 Up to 10 digits of actual lot number.
 - 7.6.2 A source ID which is either “M” (for manually entered ID) or “B” (for ID entered via bar code).
- 7.7 Deviation code (if a deviation has occurred) (up to 4 characters)

Note 8. Blank Values

Blank values are the Optical Densities (ODs) from the blanks tray. There are always 5 blanks and an average will be calculated if there are at least four acceptable values. The column header for the blanks includes ID#, Well Loc., Absorb Diff, and Notes. A blank value record consists of the following fields:

- 8.1 The string “BLANK” in the ID field (1st column).
- 8.2 A well location (letters A-H, J-M followed by 1-5) indicating the well that produced the OD value.
- 8.3 An absorbance value may take on the following:
 - 8.3.1 A number between -0.024 and 2.200.
 - 8.3.2 The string “>2.200” indicates an OD value that exceeded the PPC’s reading capability.
 - 8.3.3 The string “*ERROR” indicates that the reading was outside the instrument range of the PPC.
- 8.4 In the “NOTES” field, the following flags may appear:

Flag	Interpretation
“ ” (blank)	Indicates an acceptable blank value
REJECT	Indicates that a blank value is not acceptable (i.e., it causes the standard deviation of the mean to be greater than 0.1)
VOID	Indicates that the blank had been either manually or automatically (dispense failure) voided and will not be used in the calculation of the mean
OPD TIME	Indicates that the maximum OPD incubation time has been exceeded
OPD-REJ	Indicates that the blanks check minimum and maximum difference calculation failed

The average (mean) for the blanks is calculated from the valid absorbances; those with no flag.

Note 9. Controls Header

Indicates the start of the Negative and Positive (and Positive-2, Positive-3, if applicable) Controls.

The column header for the Controls includes ID#, Well Loc., Absorb Diff, and Notes.

Note 10. Negative Control Header

Indicates that the next entries will be the Negative Controls.

Note 11. Negative, Positive, Positive-2 and Positive-3 Controls

Negative, Positive, Positive-2 and Positive-3 Controls are very similar to the blank values in Note 8. There is no entry in the "I.D. #". Negative, Positive, Positive-2 and Positive-3 Controls consist of the following fields:

- 11.1 Well location as defined in note 8.2.
- 11.2 An absorbance value. This absorbance value is a calculated result. The absorbance value may take on the following:
 - 11.2.1 A number between -0.029 and 2.200.
 - 11.2.2 The string ">2.200", which indicates an OD value that exceeded the PPC's reading capability.
 - 11.2.3 The string "*ERROR", which indicates that the reading was outside the instrument range of the PPC.
- 11.3 The "NOTES" field, which may take on these strings:

Flags	Interpretation
" "	Indicates that this is an acceptable control
(blank)	
REJECT	Indicates that a control has failed the Minimum or Maximum Negative (Positive, Positive-2, Positive-3) Absorbance criteria specified in the assay protocol. "REJECT" also indicates that a control has failed due to an absorbance value of *ERROR
ABERRANT	Indicates that the control is too far from the calculated control mean. The assay protocol specifies the aberrant range.
VOID	Indicates the control was manually or automatically voided
EMPTY	Indicates a well that was skipped over
OPD TIME	Indicates that the maximum OPD incubation time has been exceeded

After the individual Controls have printed, an average of the acceptable controls is calculated. The average line consists of the following:

- 11.4 The string "AVERAGE =".
- 11.5 An Absorbance Value. If any control is "> 2.200", the absorbance value 2.200 will be used in the calculation, and the printed average will be preceded by the ">" character.
- 11.6 A %CV is the standard deviation of the values divided by the mean. An unprintable %CV (divide by zero, >999.99) will be printed as "*****".
- 11.7 If an Aberrant control is encountered, the PPC will print, following the average, a range of the form:

RANGE = \$L.LLL TO \$H.HHH

where \$L.LLL is the low end of the range, and \$H.HHH is the high end of the range (\$ is either a space or a "-" to indicate the sign of the number). If any control value falls outside the above range it will be printed again (Well Location and OD value) along with the ABERRANT label in the NOTES field. The wells that were not ABERRANT or REJECT will be listed again with a new average.

Note 12. Positive Control Header

Indicates the beginning of the Positive Controls. It is followed by the Positive Controls, which are handled the same as the Negative Controls as listed in Note 11.

Note 13. Positive Negative Difference & Cutoff

The results of acceptable Negative and Positive Controls includes the calculation of the "CUTOFF VALUE", and may include the calculation of the "POSITIVE - NEGATIVE" difference.

- 13.1 The "POSITIVE - NEGATIVE" is the algebraic difference of the two printed control averages. If the assay is a competitive assay such as CORZYME, the difference will be a negative number.
- 13.2 The "CUTOFF VALUE" is calculated by substituting the printed Negative Control and Positive Control averages into the Cutoff Equation as explained in Note 4.

Note 14. Positive-2 Control Header

Indicates the beginning of the Positive-2 Controls. It is followed by the Positive-2 Controls which are handled the same as the Negative Controls as listed in **Note 11**.

Note 15. Positive-2 Negative Difference

The results of acceptable Negative and Positive-2 Controls will be in the calculation of the “POSITIVE-2 - NEGATIVE” difference. The “POSITIVE-2 - NEGATIVE” is simply the algebraic difference of the two printed control averages.

Note 16. Sample Header

This indicates the beginning of samples in the batch run. Samples may be run singularly or in a multiple replicate groups (2 to 10 samples). The Point-to-Point sample header will include the “Unknown Dilution” factor if the dilution is not equal to 1.000.

Note 17. Samples

The sample reports are the main objective of the assay. If an error has occurred that affects sample reporting, sample ID integrity or indicates that certain readings may be unacceptable, the samples will be flagged as “OD ONLY!” Sample entries consist of the following:

17.1 I.D. # – or the sample number, sample ID, or sample barcode, selectable of up to 10 or 20 characters. Consists of the following:

17.1.1 Up to 20 character (right-adjusted) ID. Uses numeric and alphabetic characters.

0 to 10 character IDs are printed on the same line as sample results.

0 to 20 character IDs are printed on two lines.

17.1.2 Source ID – single character immediately after the ID. Has the following values:

17.1.2.1 “M” (Manual) – indicates it was keyed in on the PPC.

17.1.2.2 “E” (Edited) – indicates an ID was manually changed on the PPC.

17.1.2.3 “m” – indicates that the ID was manually entered on a pipettor (*i.e.*, FPC) or Quality Control.

17.1.2.4 “b” - indicates that the ID was barcoded on a pipettor (*i.e.*, FPC).



NOTE: PPC will print any character supplied by a connecting device as a source ID.

17.1.3 “*****” – indicates a sample ID was received from a pipettor that was greater than the PPC sample ID setting of 10. These sample results will be printed as a single replicate.

17.2 Well location as described in 8.2.

17.3 Absorbance Difference as described in 11.2.

17.4 %CV will appear only if there are multiple replicates of the sample and if all of the replicates are valid. Given these criteria, an average Absorbance Difference will be printed with a %CV.

17.5 The “NOTES” field of a sample is the interpretation or status. For more information, refer to Note 23 for Cutoff assays and Note 28 for Point-to-Point assays.

Note 18. End of Batch Trailer

The Batch Trailer marks the end of a batch or assay run. The time and date listed in the Batch Trailer is the actual time that the trailer was printed.



NOTE: When interfacing a host computer, configure the host computer system to terminate the first batch when the BATCH INFO header from the subsequent batch is received. This should be done in addition to configuring the host computer system to terminate data collection when the batch trailer is identified (*e.g.*, END OF BATCH).

Note 19. Error Message

The Error messages are always bordered by the “■” (block) character on the PPC printout. This gets converted to the “^” (caret) character before it is sent out the RS-232 port. A date/time line with the PPC serial number will be printed immediately following the block border. The severity of the Error messages vary from informational messages for the PPC operator to fatal messages which will halt PPC processing.

Note 20. Reread Header

The Reread Header indicates that the following batch run is a reread of previously read trays.

Note 21. Reread Notification

The Reread Notification is a statement on how to properly interpret the data from a batch reread. It notes the conditions under which a reread is to be considered valid and warns the user to verify reread results against the original results.

Note 22. Batch Aborted Trailer

Under unusual circumstances, when the batch cannot be completed on the final pass (acid addition), the PPC may print a “BATCH ABORTED” trailer. This situation may occur when there is an unexpected voiding of the batch during the final pass. The “BATCH ABORTED” trailer is followed by the “END OF BATCH” trailer.

Note 23. Cutoff Flagging

Notes field for a CUTOFF assay is 9 character flag, right justified, with the asterisk (when present) the rightmost character. The flags for a CUTOFF assay are as follows:

FLAG	INTERPRETATION
REACTIVE	Sample well is reactive for the test
...	Sample well is non-reactive for the test
EMPTY	No actual sample in well
VOID	Sample/control is invalidated
NO SAMPLE	Empty well, yet Sample ID is tracked
LOW	Sample violates the Minimum Sample Reactivity Absorbance value
(flag)*	Sample is in “gray zone”
E*R*R*O*R	Invalid read of well (OD value is outside instrument range)
OD ONLY!	Indicates that no data reduction was done and no results will be printed for that sample, though the “raw” data is furnished.
OPD TIME	Indicates that the maximum OPD incubation time has been exceeded



NOTE: A gray zone result is shown as an * following the flag, and may occur on REACTIVE, ... or LOW. An example is REACTIVE* which would indicate Gray Zone Reactive.

Note 24. Tray List (Point-to-Point)

The tray list for Point-to-Point assays contains 1 standard tray and up to 9 trays (blank trays are not used with Point-to-Point assays). This list shows how the trays will be sequenced through the batch run. There are three fields for each tray, described below.



NOTE: Column headers are not printed for these fields in Point-to-Point assays.

24.1 Tray ID (identical to note 5.1).

24.2 Tray Size (identical to note 5.2).

24.3 Tray Status, which can be one of the following:

24.3.1 STANDARDS - tray is first tray of the batch and has the standards as first samples in it.

24.3.2 VOIDED - tray is still a part of the batch, but will not be read.

24.3.3 ARCHIVED - tray has undergone final read before.

24.3.4 “ ” (no status) - tray is a sample tray.

Note 25. Column Header (Point-to-Point)

Indicates the names of the columns for the following wells. A new column header will be transmitted with a subsequent tray.

25.1 I.D.# not used on standards. For samples, it is same as note 17.1.1 and 17.1.2.

25.2 WELL LOC., same as note 8.2.

25.3 An absorbance value. The Point-to-Point absorbance value is a straight value (no blanks are involved as in a cutoff absorbance). The absorbance value may take on the following:

25.3.1 A number between -0.024 and 2.200 (valid reading).

25.3.2 The string “>2.200” indicates an OD value that exceeded the PPC’s reading capability.

25.3.3 The string “*ERROR” indicates that the reading was outside the instrument range of the PPC.

25.4 %CV, same as note 11.6.

25.5 CONC, the concentration value with the units of concentration.

25.5.1 If the absorbance value of a sample corresponds to a concentration below that of the lowest concentration on the Point-to-Point curve, the concentration printed for that sample will have a "<" in a character position prior to the concentration.

25.5.2 If the absorbance value of a sample corresponds to a concentration above that of the highest concentration on the Point-to-Point curve, the concentration printed for that sample will have a ">" in a character position prior to the concentration.

Note 26. Standards Header (Point-to-Point)

Indicates the beginning of the standards.

Note 27. Standards (Point-to-Point)

Standards are wells of known concentration value. Usually there is a "zero" standard, and then higher concentration value standards such that a 2-8 point curve can be generated. On different Point-to-Point assays the number and values of the standards is different. If multiple replicates are read for each standard, an AVERAGE reading is generated and that is used as the value for that point on the curve.

Note 28. Point-to-Point Results

The "result" for a Point-to-Point assay is a concentration number, taken from the X-axis of the Point-to-Point curve (see Section 4, "**DATA CONTENT LAYER**"). If replicates are run in the assay (more than one well per sample), a concentration is given for each replicate, and a CALCULATED CONCENTRATION is given for the average value of the replicate readings.



NOTE: The CALCULATED CONCENTRATION is NOT the average of the individual concentrations, it is the concentration determined when the average absorbance reading is plotted on the Y-axis of the curve.

Flag	Interpretation
" "	Indicates no concentration
(blank)	
EMPTY	Indicates a well containing no sample
NO SAMPLE	Indicates a tray location reserved for a sample that was identified but not actually processed
VOID	Indicates that the sample or standard had been either manually or automatically (dispense failure) voided and will not be used in the calculation of the mean
OPD TIME	Indicates that the maximum OPD incubation time has been exceeded

Note 29. Empties at the End of a Batch

All wells are accounted for in each tray, so at the end of an assay unused wells are identified by well location (e.g., M5) and the EMPTY flag. If there are no valid Blanks for a batch, only EMPTY, VOID, and NO SAMPLE wells will be printed.

Note 30. Calibration Data

Calibration "PASSED" or "FAILED" will be transmitted along with means and standard deviations for each column. The calibration tray map may be selected for transmission. This is TPC Off Mode format. Other TPC Modes include component information in the report.

Note 31. OPD Timing

Two modes are available - "Verified" and "Disabled". This field along with the minimum and maximum times will be transmitted only in the Verify mode. Any rows which exceed the incubation time limit will be flagged "OPD TIME". The exceeded incubation time for each row will be printed at the end of the individual tray.

Note 32. Retransmit Header

The Retransmit Header indicates that the following batch is a retransmission of the original RS-232 Batch Info data output for an Allowed Batch. An Allowed Batch is a batch that has completed the final pass, is archived, and has not had any well status changes since being read.

The retransmit printout differs from the original batch printout in the following ways:

- Machine errors are not included
- The exceeded OPD incubation time messages are not printed at the end of the tray
- Tray status may have been updated to ARCHIVED or VOIDED as appropriate

The Retransmit Header may be transmitted along with the Reread Header.

Note 33. End of Printout

All complete PPC printouts are terminated with a minimum of three <CR> <LF> pairings (*e.g.*, batch report, calibration).

Note 34. Positive-3 Control Header

Indicates the beginning of the Positive-3 Controls. It is followed by the Positive-3 Controls which are handled the same as the Negative Controls listed in [Note 11](#).

Note 35. Positive-3 Negative Difference

The results of acceptable Negative and “Positive-3 Controls” will be in the calculation of the “Positive-3 – Negative” difference. The “Positive-3 – Negative” is simply the algebraic difference of the two printed control averages.

Data Dictionary for Transmitted Fields

Fields

Following are the fields which appear on printouts from the PPC instrument:

ABSORB DIFF	6 byte alphanumeric, the sample well reading
ASSAY #	2 byte numeric, unique identification number of the assay
AVERAGE	6 byte alphanumeric, the average of several ABSORB DIFF when replicates run
CALIBRATION	6 byte alpha field, PASSED or FAILED
CALCULATED CONC.	8 byte numeric field, the sample result in a point to point assay
CONC.	8 byte alphanumeric, the name of the units for the result in a point to point assay
CUTOFF VALUE	6 byte numeric, the value calculated off the controls, used to determine sample results in a CUTOFF assay
DATE:	8 byte alphanumeric, calendar date
DEVIATION (Dev.)	4 byte alphanumeric, (deviation code = 2 byte)
EXPIRATION	17 byte alphanumeric, expiration date and time for OPD 8 byte alphanumeric, expiration date only
I.D.#	20 byte alphanumeric, the sample I.D. (1 byte of source ID)
LIST # – PROCEDURE:	10 byte alphanumeric, assay protocol identifier
LOT #	10 byte alphanumeric, unique identification number for the manufacturing run that produced the reagents
NCX (multiplier)	6 byte numeric, a constant in the assay formula for CUTOFF VALUE
NAME:	20 bytes, the name of the assay
OPD Max. Time	3 byte alphanumeric, maximum OPD incubation time
OPD Min. Time	3 byte alphanumeric, minimum OPD incubation time
NOTES	9 byte alphanumeric, a miscellaneous message field
PCX (multiplier)	6 byte numeric, a constant in the assay formula for CUTOFF VALUE
POSITIVE – NEGATIVE	6 byte alphanumeric, a value which is indicative of the usefulness of the controls, an assay parameter
POSITIVE-2 – NEGATIVE	6 byte alphanumeric, a value which is indicative of the usefulness of the controls, a parameter that is used only if a Positive-2 Control is defined for an assay

POSITIVE-3 – NEGATIVE	6 byte alphanumeric, a value which is indicative of the usefulness of the controls, a parameter that is used only if a Positive-3 Control is defined for an assay
PPC SERIAL NUMBER	7 characters
PPC VERSION NUMBER	Up to 5 characters
SAMPLE ID SIZE	Fixed at 2 digits (20)
SIZE	2 byte numeric, either 20 or 60, and indicates the number of sample wells in tray. “??” indicates that size is unknown
STANDARD CONCENTRATION	7 byte numeric, a value assigned to a standard for use in defining the point to point curve
STATUS	8 byte alphanumeric, indicates type of tray, such as BLANKS
TEST #	2 byte numeric, a unique Abbott assigned identification number for the assay
TECH ID:	If TPC Mode = Off, 3 byte alphanumeric If TPC Mode = Record or Verify, 6 byte alphanumeric
TPC MODE	6 byte alphabetic, verify or record
TRAY ID	10 byte alphanumeric, a unique identification number of the tray, similar to sample ID (1 byte of source ID)
TIME:	8 byte alphanumeric, time of day
TYPE	4 byte alphanumeric, component type ID
WELL LOC.	2 byte alphanumeric, identification of the unique sample well location in a tray, such as A1 or M5
%CV	6 byte alphanumeric, a number indicating variation in sample well reading around the mean when replicates are run in an assay

Maximum Record Length

The record length is variable within the assays on the PPC because the number of trays that can be run in an assay is from 1 to 11. The “length” of an assay is usually determined as a preference of the laboratory using the PPC. A single line does not require more than 80 printable characters. Line terminators, such as <CR> <LF>, are in addition to the 80-character length.

A 250 sample CUTOFF would be approximately 25,000 to 30,000 bytes.

A1	Symbol showing a well location in a tray, this is row A, position 1.
ACTIVE TRAY	A tray physically in the PPC for processing.
ARCHIVED TRAY	The status of a tray after the final read is completed. The oldest archived batches may be deleted as new batches are started (FIFO).
ASSAY	Test or procedure on the PPC to detect(Qualitative) and/or measure (Quantitative) a specific substance.
ASSAY PROTOCOL	The procedure for running the assay on the PPC.
BLANKS TRAY	A standard tray with COMMANDER Reagent Blanking Beads inserted in the proper wells. It is used to run through the instrument first to give a base line reading to the spectrophotometer.
BATCH	A batch is a group of trays (maximum = 11) run under the same assay protocol using a common set of controls or standards.
CALIBRATION	A Calibration establishes internal references which are used when running assays.
CALCULATED CONCENTRATION	A value for an unknown sample (result) in a point to point assay.
CHECKSUM	A numerical verification of accurate data transmission.
COMBINED INSTRUMENT/DMS PORT CONCENTRATION	A port which is designated to serve a pipettor and a DMS. A value assigned to a standard in a point to point assay, i.e., 80.00. See Appendix for a list of concentration units .
CONTROLS	Reference materials that are run to verify that an assay is within acceptable limits. (Also used to set the Cutoff value).
CUTOFF	A type of assay, having a calculated “cutoff value” to which all unknowns are arithmetically compared.
DATA BASE	The part of memory in the PPC that contains information about data, tray status and edited assay protocols.
DILUTION	Procedure used to reduce the amount of an analyte in a sample in order to be able to accurately measure its concentration.
DMS	Abbott Data Management System.

EMPTY WELL	An Empty Well is a tray location which has no sample in it and requires that no sample ID be assigned to it. The PPC skips these wells during processing.
END OF BATCH	Trailer showing end of assay run.
FPC	A pipettor called the COMMANDER Flexible Pipetting Center.
(GRAY ZONE) “*”	A flag used in cutoff assays indicating the sample well value is within a specified percentage of the cutoff value.
IMMUNOASSAY	A testing method using antibodies, a class of proteins that can identify specific molecules.
IN PROCESS TRAY	A tray has the status of in process from the time it is first inserted into the PPC to the point at which it is finally read.
LIS	Laboratory Information System.
LOW	A flag in a cutoff assay indicating a well reading violates the Minimum Sample Reactivity Absorbance value defined in the assay protocol.
NEGATIVE CONTROL	A control provided by Abbott Laboratories having a value in a known range which is considered negative.
NO SAMPLE	A tray location that is reserved for a sample that was identified but not actually processed.
OD ONLY!	A message printed adjacent to the sample reading when certain error conditions occur. It indicates that no data reduction was done and no results will be printed for that sample but the “raw” data is furnished.
OPD-REJ	A message printed adjacent to the blanks reading, indicating that the blanks check minimum and/or maximum difference calculation failed.
OPD TIME	A message printed adjacent to the sample reading, indicating that the maximum OPD incubation time has been exceeded.
PIP	Instrument port assignment abbreviation for a compatible generic instrument.
PIPETTOR	FPC or other compatible instrument.
POINT TO POINT	Name for a data reduction, a type of curve fit with straight lines joining each “standard” value.
POSITIVE CONTROL	A control provided by Abbott Laboratories having a value in a known range which is considered positive.

POSITIVE-2 CONTROL	A control provided by Abbott Laboratories having a value in a known range which is considered positive. It is typically used as a second Positive Control in those assays protocols which require it.
POSITIVE-3 CONTROL	A control provided by Abbott Laboratories having a value in a known range which is considered positive. It is typically used as a third Positive Control in those assays protocols which require it.
PPC	The instrument called COMMANDER Parallel Processing Center.
QUALITATIVE	A type of test which provides a non-numerical result, in the format of “REACTIVE” or a lack of a Reactive flag.
QUANTITATIVE	A type of test which provides a numerical result in the format of a concentration unit.
RAP SHEET	The Reagent Application Protocol Sheet; provides Reagent/instrument procedure information as an adjunct to the reagent package insert and the instrument Operations Manual.
REACTIVE	A flag in a cutoff assay indicating sample well reading may be positive with respect to the cutoff value for that assay.
REAGENT BLANKING	An optical reading that is taken to correct for reagent coloration prior to calculating cutoff results.
REJECT	A flag on a control in a cutoff assay indicating that control is out of range and not usable in that assay.
STAND ALONE	PPC is in stand alone mode when not communicating with an FPC or other compatible pipettor.
STAND ALONE BATCH	A batch that was not prepared on an Abbott COMMANDER FPC or other compatible pipettor.
STANDARD	A solution of known concentration provided by Abbott Laboratories for use in Point-to-point assays to set the curve against which unknowns may be compared.
STANDARDS TRAY	A tray filled with solid materials of known optical densities, which are used to verify proper reader operation.
TEST NUMBER	A test number is a code number representing a pipetting sequence.
TPC	Total Process Control – the capability of monitoring PPC activities with resulting output.
TRAY	A disposable container, containing either 20 or 60 sample “wells” in which an assay is run.

TRAY TICKET	A tray ticket indicates the next processing step and is printed as each tray completes a processing pass.
VOID	A tray location which contains a sample, control or standard that is invalid. Only a well that was originally filled can become void.
"..."	A flag in a cutoff assay indicating the sample well value is non-reactive.

PPC Assays

To determine if specific assays are available on this version of PPC software, contact the Abbott Customer Support Center at 1-800-323-9100. For locations outside the U.S., contact your Abbott representative.

Bar Code Labels

PPC

Limited to a maximum of 10 characters for tray ID.

Tray labels can be Codabar, Code 39, Interleaved 2 of 5, or Code 128.

The PPC does not have a barcode wand for entering sample IDs. IDs must be entered through the keyboard or from communication with a compatible pipettor.

(Not all Code 128 characters may be entered through the keyboard).

Further Explanations of Conventions

Units

The following units are available in COMMANDER PPC for use in Point To Point assays (unit code is contained in the assay protocol):

ng/mL	fm/mL	ug/mL	IU/mL
mg/mL	uIU/mL	pg/mL	ug/dL
meq/L	% SAT	meq/mL	Uptake
mM	ng/dL	mIU/mL	mIU/L
IU/L	U/mL	% ACT	(None)

CUTOFF assays do not have any units on results.

Procedures For Port/Communication Set Up

Port Communication Parameters

(Refer to Section 2, Installation and Special Requirements in the *PPC Operations Manual* for reference.)

How to designate DMS port

There are 4 ports on the back of the PPC, any one of which may be designated “DMS PORT” and that port then becomes the RS-232 output port. The remaining 3 ports are then reserved for communication with other ABBOTT instruments and are NOT data output ports.

The DMS port may be assigned to a port that is already configured as an FPC or PIP port. The instrument port assignment automatically checks each port and determines which instrument is connected to each. In the assignment listing an asterisk (*) identifies a port which serves the pipettor and DMS (e.g. FPC*, PIP*).

To designate the DMS port, start with a powered up PPC and only set the DMS port when the PPC is idle.

1. Press key <#> for Special Modes operation.
2. Press key <3> for Configure mode.
3. Press key <2> and follow the menu instructions.

Communication Parameters

The communication parameters are set after DMS port designation.

1. Press key <#> for Special Modes operation.
2. Press key <3> for Configure mode.
3. Press key <6> and follow the menu instructions.

Sample ID Numbers

A 20 digit maximum sample ID number may be used with PPC. The 20 digits may be alpha or numeric. Normally the sample ID's are transmitted into PPC from an external device, such as a pipettor, but they may be manually entered or edited on the PPC key board.

Notes on Sample IDs

Suffixes on Sample ID #'s:

All caps = PPC Suffix:

M = Manually entered ID at the PPC

E = Edited

m = Manually entered at the pipettor

b = Bar code entered at the pipettor

Refer to **Note 17** in Section 5.

Sample ID numbers on PPC may be 20 digits maximum. The minimum number of digits is configurable. The Sample ID field can be filled with leading "0's" but not blanks.

To enter IDs manually use special modes as follows:

1. Press key <#> for Special Modes operation.
2. Press key <1> for Data Base access.
3. Press key <3> for Batch Tools.
4. Press key <4> to start entering IDs.

Tray Labels

Tray labels are custom and furnished by Abbott. They are Codabar numeric, and are used to identify the tray during PPC processing. They are printed/sent out the port, during assay processing.

Set Tray Bar Code

The PPC has the capability of using tray barcode labels which may be CODABAR, Code 39, Interleaved 2 of 5 code, or Code 128. The analyzer must be set to one of these labels listed. The tray barcode selection should be made at same time as DMS port selection is made (see above). To set the tray barcode:

1. Press key <#> for Special Modes operation.
2. Press key <3> for Configure mode.
3. Press key <4> and follow the menu instructions.

Checksums

The **checksum calculation** is described in the Data Content Layer section of this specification (section 4). The checksum is enabled by default, but it may be disabled or reenabled. The checksum characteristic is changed on the DMS port menu and can be set by following the steps listed in PORT SETUP.

Date and Time

The PPC can accommodate 3 different date formats. The PPC will default to United States format unless another is selected:

For United States	MM/DD/YY
For Europe	DD/MM/YY
For Far East	YY/MM/DD

The PPC time is fixed at HH:MM:SS

Set the date, time and format only when the PPC is idle (not processing trays).

1. Press <#> key for Special Modes menu.
2. Press key <7> for Setup menu password entry prompt.
3. Enter Setup password.
4. Press key <6> for Data/Time menu.
5. Follow instructions to set Date, Time or Format.
6. Press <#> key to exit Setup menu.

List of Printed and Transmitted Error Codes

```

*****
Date: MM/DD/YY HH:MM:SS SN: XXXXXXXX
Tray Deleted: XXXXXXXXXX
*****

*****
Date: MM/DD/YY HH:MM:SS SN: XXXXXXXX
Tray Voided: XXXXXXXXXX
*****

*****
Date: MM/DD/YY HH:MM:SS SN: XXXXXXXX
ERROR 1.1.3 Status: FFFF
Web Switch did not Close
Check for Tray Jam
*****

*****
Date: MM/DD/YY HH:MM:SS SN: XXXXXXXX
ERROR 1.1.5 Status: FFFF
Transport motor Time Out

Attempt to Clear Jam:
Press right and left arrow keys
to move tray.
When tray is free, Press <#> to EXIT
Turn power off, wait 30 seconds.
Turn power back on.

Processing may then be continued.
*****

*****
Date: MM/DD/YY HH:MM:SS SN: XXXXXXXX
ERROR 1.1.7 Status: FFFF
Web Switch is not open
Check for Tray Jam
*****

*****
Date: MM/DD/YY HH:MM:SS SN: XXXXXXXX
ERROR 1.1.8 Status: FFFF
Tray Exit Switch
Defective
*****

*****
Date: MM/DD/YY HH:MM:SS SN: XXXXXXXX
ERROR 1.1.9 Status: FFFF
Wash Switch is Defective
*****

*****
Date: MM/DD/YY HH:MM:SS SN: XXXXXXXX
ERROR 1.1.10 Status: FFFF
Tray Not Gated
Wash Switch Defective or Tray Jam
*****

*****
Date: MM/DD/YY HH:MM:SS SN: XXXXXXXX
ERROR 1.2.3.1 Status: FFFF
Check Waste Line for
Complete Connection
*****

*****
Date: MM/DD/YY HH:MM:SS SN: XXXXXXXX
ERROR 1.2.5 Status: FFFF
Wash Head Motor Time Out
*****

*****
Date: MM/DD/YY HH:MM:SS SN: XXXXXXXX
ERROR 1.2.6 Status: FFFF
Check Tray and Wash Head
*****

*****
Date: MM/DD/YY HH:MM:SS SN: XXXXXXXX
ERROR 1.2.7 Status: FFFF
Wash Head Sensor is Defective
*****

*****
Date: MM/DD/YY HH:MM:SS SN: XXXXXXXX
ERROR 1.2.8 Status: FFFF
Wash Switch is Defective
*****

*****
Date: MM/DD/YY HH:MM:SS SN: XXXXXXXX
ERROR 1.3.2 Status: FFFF
Dispense Boom Motor Time Out
*****

*****
Date: MM/DD/YY HH:MM:SS SN: XXXXXXXX
ERROR 1.3.3 Status: FFFF
Pump Motor Time Out
*****

*****
Date: MM/DD/YY HH:MM:SS SN: XXXXXXXX
ERROR 1.3.4 Status: FFFF
Bottle Select Motor Time Out
*****

*****
Date: MM/DD/YY HH:MM:SS SN: XXXXXXXX
ERROR 1.3.11.1 Status: FFFF
Pump Sensor is defective
*****

```

```

^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
Date: MM/DD/YY HH:MM:SS SN: XXXXXXXX
ERROR 1.3.12.1          Status: FFFF
Well Select Sensor is defective

```

```

^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^

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```

^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
Date: MM/DD/YY HH:MM:SS SN: XXXXXXXX
ERROR 1.3.13.1          Status: FFFF
Bottle Sensor is defective

```

```

^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^

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^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
Date: MM/DD/YY HH:MM:SS SN: XXXXXXXX
ERROR 1.4.3             Status: FFFF
Filter Select Motor Time Out

```

```

^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^

```

```

^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
Date: MM/DD/YY HH:MM:SS SN: XXXXXXXX
ERROR 1.4.8             Status: FFFF
Check Reader Lamp or Sensors

```

```

Press <ENTER> to Continue
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^

```

```

^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
Date: MM/DD/YY HH:MM:SS SN: XXXXXXXX
ERROR 2.1.1.1           Status: FFFF
Tray Database Error

```

```

^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^

```

```

^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
Date: MM/DD/YY HH:MM:SS SN: XXXXXXXX
ERROR 2.1.1.2           Status: FFFF
Tray Database Error - Not Found

```

```

^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^

```

```

^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
Date: MM/DD/YY HH:MM:SS SN: XXXXXXXX
ERROR 2.1.1.3           Status: FFFF
Tray Database Error - Not Open

```

```

^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^

```

```

^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
Date: MM/DD/YY HH:MM:SS SN: XXXXXXXX
ERROR 2.1.1.4           Status: FFFF
Tray Database Error - Write

```

```

^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^

```

```

^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
Date: MM/DD/YY HH:MM:SS SN: XXXXXXXX
ERROR 2.1.1.5           Status: FFFF
Tray Database Error - Read

```

```

^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^

```

```

^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
Date: MM/DD/YY HH:MM:SS SN: XXXXXXXX
ERROR 2.1.1.6           Status: FFFF
Batch Database Error - Read

```

```

^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^

```

```

^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
Date: MM/DD/YY HH:MM:SS SN: XXXXXXXX
ERROR 2.1.1.7           Status: FFFF
Batch Database Error - Write

```

```

^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^

```

```

^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
Date: MM/DD/YY HH:MM:SS SN: XXXXXXXX
ERROR 2.1.1.8           Status: FFFF
Batch Database Error

```

```

^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^

```

```

^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
Date: MM/DD/YY HH:MM:SS SN: XXXXXXXX
ERROR 2.1.1.9           Status: FFFF
Assay Not Found

```

```

^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^

```

```

^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
Date: MM/DD/YY HH:MM:SS SN: XXXXXXXX
ERROR 2.1.1.10          Status: FFFF
Assay Database Error - Read

```

```

^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^

```

```

^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
Date: MM/DD/YY HH:MM:SS SN: XXXXXXXX
ERROR 2.1.1.11          Status: FFFF
Unexpected Row Was Read

```

```

^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^

```

```

^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
Date: MM/DD/YY HH:MM:SS SN: XXXXXXXX
ERROR 2.1.1.12          Status: FFFF
Internal Error - Bad Command To DRT

```

```

^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^

```

```

^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
Date: MM/DD/YY HH:MM:SS SN: XXXXXXXX
ERROR 2.1.1.13          Status: FFFF
Internal Error - Bad Task Id To DRT

```

```

^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^

```

```

^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
Date: MM/DD/YY HH:MM:SS SN: XXXXXXXX
ERROR 2.1.1.14          Status: FFFF
Internal Error - Bad Well Class

```

```

^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^

```



```

^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
Date: MM/DD/YY HH:MM:SS SN: XXXXXXXX
ERROR 2.1.1.38
(Pos - Neg) Difference test failed -
No flagging will be done.
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^

^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
Date: MM/DD/YY HH:MM:SS SN: XXXXXXXX
ERROR 2.1.1.39
Standards are not Monotonic -
No concentrations will be calculated.
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^

^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
Date: MM/DD/YY HH:MM:SS SN: XXXXXXXX
ERROR 2.1.1.40
Selected standard failed the Mean test
No concentrations will be calculated.
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^

^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
Date: MM/DD/YY HH:MM:SS SN: XXXXXXXX
ERROR 2.1.1.41
Std A - Std B Difference test failed -
No concentrations will be calculated.
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^

^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
Date: MM/DD/YY HH:MM:SS SN: XXXXXXXX
ERROR 2.1.1.42
Std A/Std B First Ratio test failed -
No concentrations will be calculated.
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^

^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
Date: MM/DD/YY HH:MM:SS SN: XXXXXXXX
ERROR 2.1.1.43
Std C/Std D Second Ratio test failed -
No concentrations will be calculated.
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^

^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
Date: MM/DD/YY HH:MM:SS SN: XXXXXXXX
ERROR 2.1.1.45
Status: FFFF
Internal Error - Undefined
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^

^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
Date: MM/DD/YY HH:MM:SS SN: XXXXXXXX
ERROR 2.1.1.46
Absorbance of a Control Exceeded 2.200-
No flagging will be done.
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^

^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
Date: MM/DD/YY HH:MM:SS SN: XXXXXXXX
ERROR 2.1.1.47
Absorbance of a Standard Exceeded 2.200-
No concentrations will be calculated.
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^

```

```

^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
Date: MM/DD/YY HH:MM:SS SN: XXXXXXXX
ERROR 2.1.1.50
Absorbance of Standard out of
instrument range.
No concentrations will be calculated.
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^

^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
Date: MM/DD/YY HH:MM:SS SN: XXXXXXXX
ERROR 2.1.1.51
No Control or Standards tray exists
Flagging/Concentrations will not be done
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^

^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
Date: MM/DD/YY HH:MM:SS SN: XXXXXXXX
ERROR 2.1.1.52
Standard below minimum absorbance
No concentrations will be calculated.
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^

^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
Date: MM/DD/YY HH:MM:SS SN: XXXXXXXX
ERROR 2.1.1.53
Sample below Minimum Sample Absorbance
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^

^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
Date: MM/DD/YY HH:MM:SS SN: XXXXXXXX
ERROR 2.1.1.54
Absorbance of Control out of
instrument range.
No flagging will be done.
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^

^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
Date: MM/DD/YY HH:MM:SS SN: XXXXXXXX
ERROR 2.1.1.56
Positive-2 Control
Difference test failed -
No flagging will be done.
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^

^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
Date: MM/DD/YY HH:MM:SS SN: XXXXXXXX
ERROR 2.1.1.57
Insufficient Positive-2 Controls -
No flagging will be done.
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^

^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
Date: MM/DD/YY HH:MM:SS SN: XXXXXXXX
ERROR 2.1.1.58
Invalid Positive-2 Controls -
PC2 Mean is not Reactive
No flagging will be done
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^

^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
Date: MM/DD/YY HH:MM:SS SN: XXXXXXXX
ERROR 2.1.1.60
Positive-3 Control
Difference test failed -
No flagging will be done
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^

```

```

*****
Date: MM/DD/YY HH:MM:SS SN: XXXXXXXX
ERROR 2.1.1.61
Insufficient Positive-3 Controls -
No flagging will be done
*****

*****
Date: MM/DD/YY HH:MM:SS SN: XXXXXXXX
ERROR 2.1.2.1
CALIBRATION ABORTED!
Insufficient Wells
*****

*****
Date: MM/DD/YY HH:MM:SS SN: XXXXXXXX
ERROR 3
Assay Interpreter Error: 0000
*****

*****
Date: MM/DD/YY HH:MM:SS SN: XXXXXXXX
ERROR 3.1.1
INTERNAL SYSTEM ERROR:
Data Base Write Error
*****

*****
Date: MM/DD/YY HH:MM:SS SN: XXXXXXXX
ERROR 3.1.2
INTERNAL SYSTEM ERROR:
Tray Database Error.
*****

*****
Date: MM/DD/YY HH:MM:SS SN: XXXXXXXX
ERROR 3.1.3
INTERNAL SYSTEM ERROR:
Batch Database Error.
*****

*****
Date: MM/DD/YY HH:MM:SS SN: XXXXXXXX
ERROR 3.1.4
INTERNAL SYSTEM ERROR:
Cannot Find Assay.
*****

*****
Date: MM/DD/YY HH:MM:SS SN: XXXXXXXX
ERROR 3.1.5
INTERNAL SYSTEM ERROR:
Assay Data Corrupted.
*****

*****
Date: MM/DD/YY HH:MM:SS SN: XXXXXXXX
ERROR 3.1.6
INTERNAL SYSTEM ERROR:
Processing Duration Invalid
*****

*****
Date: MM/DD/YY HH:MM:SS SN: XXXXXXXX
ERROR 3.2.1
INTERNAL SYSTEM ERROR:
Tray Database Error.
*****

*****
Date: MM/DD/YY HH:MM:SS SN: XXXXXXXX
ERROR 3.2.2
INTERNAL SYSTEM ERROR:
Machine Control Command Status Fault
*****

*****
Date: MM/DD/YY HH:MM:SS SN: XXXXXXXX
ERROR 3.2.3
INTERNAL SYSTEM ERROR:
Tray ID lost.
*****

*****
Date: MM/DD/YY HH:MM:SS SN: XXXXXXXX
ERROR 3.2.4
INTERNAL SYSTEM ERROR:
Tray Database Error.
*****

*****
Date: MM/DD/YY HH:MM:SS SN: XXXXXXXX
ERROR 3.2.5
INTERNAL SYSTEM ERROR:
Tray Database Error.
*****

*****
Date: MM/DD/YY HH:MM:SS SN: XXXXXXXX
ERROR 3.2.6
INTERNAL SYSTEM ERROR:
Batch Database Error.
*****

*****
Date: MM/DD/YY HH:MM:SS SN: XXXXXXXX
ERROR 3.2.7
INTERNAL SYSTEM ERROR:
Batch Database Error.
*****

*****
Date: MM/DD/YY HH:MM:SS SN: XXXXXXXX
ERROR 3.2.8
INTERNAL SYSTEM ERROR:
Batch Database Error.
*****

*****
Date: MM/DD/YY HH:MM:SS SN: XXXXXXXX
ERROR 3.2.9
INTERNAL SYSTEM ERROR:
Tray Database Error.
*****

```

```

^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
Date: MM/DD/YY HH:MM:SS SN: XXXXXXXX
ERROR 3.2.10
INTERNAL SYSTEM ERROR:
Tray Database Error.
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^

Date: MM/DD/YY HH:MM:SS SN: XXXXXXXX
ERROR 3.2.24
Tray was Locked in Without Being Gated.
Stuck Entrance Solenoid?
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^

Date: MM/DD/YY HH:MM:SS SN: XXXXXXXX
ERROR 3.2.1.12
Component Lot Expired - XXXXXXXXXX
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^

Date: MM/DD/YY HH:MM:SS SN: XXXXXXXX
ERROR 3.2.1.29
INTERNAL SYSTEM ERROR:
External Barcode Reader Status Fault
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^

Date: MM/DD/YY HH:MM:SS SN: XXXXXXXX
ERROR 3.3.1
Size of Tray Does NOT Match
Previously Stored Size.
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^

Date: MM/DD/YY HH:MM:SS SN: XXXXXXXX
ERROR 3.3.3
Tray XXXXXXXXXXXX has been Rejected.
It will be Voided.
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^

Date: MM/DD/YY HH:MM:SS SN: XXXXXXXX
ERROR 3.3.4
Tray XXXXXXXXXXXX has been Rejected.
The Batch will be Voided.
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^

Date: MM/DD/YY HH:MM:SS SN: XXXXXXXX
ERROR 3.3.7
Wells A1-A5 will be VOIDed
Tray XXXXXXXXXXXX
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^

Date: MM/DD/YY HH:MM:SS SN: XXXXXXXX
ERROR 3.3.31
Pipettor Communications Link Failure.
Tray XXXXXXXXXXXX May NOT Be Archived.
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^

```

```

^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
Date: MM/DD/YY HH:MM:SS SN: XXXXXXXX
ERROR 3.3.35
Control/Standard Wells Voided
Do You Wish To Continue Processing
(Yes/No)?
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^

Date: MM/DD/YY HH:MM:SS SN: XXXXXXXX
ERROR 3.3.36
Tray Contains No Active Wells
Tray Voided: XXXXXXXXXXXX
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^

Date: MM/DD/YY HH:MM:SS SN: XXXXXXXX
ERROR 3.3.7.1
INVALID READINGS IN TRAY XXXXXXXXXXXX
WELLS VOIDED
A1,A2,A3,A4,
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^

Date: MM/DD/YY HH:MM:SS SN: XXXXXXXX
ERROR 3.3.7.2
INSUFFICIENT BLANKS WELLS
BLANKS TRAY XXXXXXXXXXXX VOIDED
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^

Date: MM/DD/YY HH:MM:SS SN: XXXXXXXX
ERROR 3.3.7.3
Wells A1-A5 will be VOIDed
Tray XXXXXXXXXXXX
Wells Exceeded OPD Dispense-Read Time
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^

Date: MM/DD/YY HH:MM:SS SN: XXXXXXXX
ERROR 3.4.1
INTERNAL SYSTEM ERROR:
Communication Status Fault
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^

Date: MM/DD/YY HH:MM:SS SN: XXXXXXXX
ERROR 3.4.2
INTERNAL SYSTEM ERROR:
Task ID Fault
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^

Date: MM/DD/YY HH:MM:SS SN: XXXXXXXX
ERROR 3.4.3
INTERNAL SYSTEM ERROR:
Assay Interpreter Send Message Error
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^

```

```

*****
Date: MM/DD/YY  HH:MM:SS  SN: XXXXXXXX
ERROR 3.5.1
      CALIBRATION ABORTED!
      Error During Processing
*****

*****
Date: MM/DD/YY  HH:MM:SS  SN: XXXXXXXX
ERROR 3.5.2
      CALIBRATION ABORTED!
      Incorrect Tray Size
*****

*****
Date: MM/DD/YY  HH:MM:SS  SN: XXXXXXXX
ERROR 6.2.1.29      Status: FFFF
      INTERNAL SYSTEM ERROR:
      External Barcode Reader Status Fault
*****

*****
Date: MM/DD/YY  HH:MM:SS  SN: XXXXXXXX
ERROR 8.1.2      Status: FFFF
      Assay save was unsuccessful.
      Do you wish to retry?
      (Yes/No)
*****

*****
Date: MM/DD/YY  HH:MM:SS  SN: XXXXXXXX
ERROR 8.1.1.8      Status: FFFF
      Fatal Assay Database Error
*****

*****
Date: MM/DD/YY  HH:MM:SS  SN: XXXXXXXX
ERROR 8.1.1.32      Status: FFFF
      Assay Data Corrupted.
*****

*****
Date: MM/DD/YY  HH:MM:SS  SN: XXXXXXXX
ERROR 9.1.1.1
      Tray Database Error
*****

*****
Date: MM/DD/YY  HH:MM:SS  SN: XXXXXXXX
ERROR 9.1.1.2
      Tray Database Error - Not Found
*****

*****
Date: MM/DD/YY  HH:MM:SS  SN: XXXXXXXX
ERROR 9.1.1.4
      Tray Database Error - Write
*****

```

```

Date: MM/DD/YY  HH:MM:SS  SN: XXXXXXXX
ERROR 9.1.1.5
    Tray Database Error - Read

*****

*****
Date: MM/DD/YY  HH:MM:SS  SN: XXXXXXXX
ERROR 9.1.1.6
    Batch Database Error - Read

*****

*****
Date: MM/DD/YY  HH:MM:SS  SN: XXXXXXXX
ERROR 9.1.1.10
    Assay Database Error - Read

*****

*****
Date: MM/DD/YY  HH:MM:SS  SN: XXXXXXXX
ERROR 9.1.1.11                      Status: FFFF
Internal Error - Bad Command To PATIDS

*****

*****
Date: MM/DD/YY  HH:MM:SS  SN: XXXXXXXX
ERROR 9.1.1.12                      Status: FFFF
Internal Error - Bad Task Id To PATIDS

*****

*****
Date: MM/DD/YY  HH:MM:SS  SN: XXXXXXXX
ERROR 9.1.1.13                      Status: FFFF
Can't get Sample IDs on Tray XXXXXXXXXXXX
    Check Pipettor Connections or Modes

*****

*****
Date: MM/DD/YY  HH:MM:SS  SN: XXXXXXXX
ERROR 9.1.1.15
Id Database Full -
No Ids will be available for this tray

*****

*****
Date: MM/DD/YY  HH:MM:SS  SN: XXXXXXXX
ERROR 9.1.1.20
Controls or Standards cannot fit into
one tray.  Please void this batch.

*****

```


Example of RS-232 Output

The following are printouts of the PPC 9.0/9.1 text files provided on the Output Diskette. The files can be loaded on a user LIS system to assist in implementing any changes to the LIS system (*e.g.*, parsing) that may be necessary to support the new features of PPC 9.0/9.1.

Printouts are presented in a two column format, and include file names:

Cutoff Data Reduction Examples

1A: TPC = Off, OPD Timing = Verified

file name: P9OUT1A.TXT

```
+-----+F8
|^  BATCH  INFO  ^|AA
+-----+F8
ASSAY # 77  NAME: EXAMPLE 1A BATCH  FB
TECH ID: LRJ  LOT # 12345M6001  TEST #719D
DATE: 10/15/97  TIME: 16:03:30  F5
PPC SERIAL NUMBER 0001769 81
OPD Timing = Verified 88
Minimum Time = 28  Maximum Time = 32 ED
Sample ID Size = 20 E9
+-----+F8
| CUTOFF=( 1.000)NCX+( 0.000)PCX+ 0.100|F8
+-----+F8
      TRAY ID      SIZE      STATUS      F8
      -----
      23000M      20      BLANKS      9F
      23001M      60      CONTROLS     97
      23002M      60
F8
+-----+F8
|^ TRAY#      23000M ^|B9
| DATE: 10/15/97  TIME: 16:40:14 |F4
+-----+F8
F8
      WELL ABSORB      E5
      I.D.#  LOC.  DIFF      NOTES F6
      =====
BLANK      A1    0.000      EC
BLANK      A2    0.000      EF
BLANK      A3   -0.001      E2
BLANK      A4    0.000      E9
BLANK      A5    0.001      E9
      -----F8
      AVERAGE =      0.000      88
F8
+-----+F8
|^ TRAY#      23001M ^|B8
| DATE: 10/15/97  TIME: 16:41:10 |F1
+-----+F8
```

```
F8
      WELL ABSORB      E5
      I.D.#  LOC.  DIFF      %CV      NOTES E6
      =====F8
      ^      CONTROLS ^EC
      -----F8
NEGATIVE CONTROL      9C
      -----F8
      A1    0.041      83
      A2    0.040      81
      A3    0.093      8E
      -----F8
      AVERAGE =      0.058  52.3      9F
      -----F8
      RANGE = 0.029 TO 0.087      85
      A3    0.093      ABERRANT 93
      -----F8
      A1    0.041      83
      A2    0.040      81
      -----F8
      AVERAGE = 0.041  1.7      85
POSITIVE CONTROL      94
      -----F8
      A4    0.788      84
      A5    0.866      8A
      -----F8
      AVERAGE = 0.827  6.7      8A
F8
POSITIVE - NEGATIVE = 0.786      E7
CUTOFF VALUE = 0.141      89
F8
POSITIVE-2 CONTROL      8B
      -----F8
      B1    0.723      83
      B2    0.791      89
      -----F8
      AVERAGE = 0.757  6.4      81
F8
POSITIVE-2 - NEGATIVE = 0.716      F1
      -----F8
      ^      SAMPLES^AD
      -----F8
```

```

1234567890F9
1234567820M B3    0.799          REACTIVE FC
-----F8
1234567890F9
1234567821M B4    0.237          REACTIVE FB
-----F8
1234567890F9
1234567822M B5    0.176          REACTIVE FF
-----F8
1234567890F9
1234567823M C1    0.275          REACTIVE FB
-----F8
1234567890F9
1234567824M C2    0.075          ...    E8
-----F8
1234567890F9
1234567825M C3    0.894          REACTIVE FA
-----F8
1234567890F9
1234567826M C4    0.112          ...    EC
-----F8
1234567890F9
1234567827M C5    0.124          ...    E9
-----F8
1234567890F9
1234567828M D1 > 2.200          REACTIVE E9
-----F8
1234567890F9
1234567829M D2    0.152          REACTIVE F3
-----F8
1234567890F9
1234567830M D3    0.147          REACTIVE FE
-----F8
1234567890F9
1234567831M D4    1.012          REACTIVE F8
-----F8
1234567890F9
1234567832M D5    0.862          REACTIVE F4
F8
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^F8
Date: 10/15/97 16:41:44 SN: 0001769C1
ERROR 1.3.11.1 BD
Pump Sensor is defectiveA3
F8
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^F8
-----F8
1234567890F9
1234567833M E1    0.280          REACTIVE F6
F8
E2                                EMPTY    FA
-----F8
1234567890F9
1234567834M E3    0.059          ...    E0
-----F8
1234567890F9
1234567835M E4    0.051          ...    EE
-----F8
1234567890F9
1234567836M E5    0.078          ...    E7
F8
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^F8
Date: 10/15/97 16:41:54 SN: 0001769C0
ERROR 3.3.7 97
Wells K1-K5 will be VOIDed9C
Tray      23001F6
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^F8
-----F8

```

```

1234567890F9
1234567837M F1    0.240          REACTIVE FD
-----F8
1234567890F9
1234567838M F2    0.067          ...    E3
-----F8
1234567890F9
1234567839M F3    0.286          REACTIVE FB
-----F8
1234567890F9
1234567840M F4    0.082          ...    E1
-----F8
1234567890F9
1234567841M F5    0.200          REACTIVE FC
-----F8
1234567890F9
1234567842M G1                                NO SAMPLEEA
-----F8
1234567890F9
1234567843M G2    0.590          REACTIVE F6
-----F8
1234567890F9
1234567844M G3    0.072          ...    EC
-----F8
1234567890F9
1234567845M G4    0.056          ...    EC
-----F8
1234567890F9
1234567846M G5    *ERROR          E*R*R*O*RE7
-----F8
1234567890F9
1234567847M H1    0.050          ...    E2
-----F8
1234567890F9
1234567848M H2    0.348          REACTIVE F1
-----F8
1234567890F9
1234567849M H3    0.154          REACTIVE FE
-----F8
1234567890F9
1234567850M H4    0.015          ...    E0
-----F8
1234567890F9
1234567851M H5    0.347          REACTIVE F1
-----F8
1234567890F9
1234567852M J1    0.013          ...    E3
-----F8
1234567890F9
1234567853M J2    0.337          REACTIVE F1
-----F8
1234567890F9
1234567854M J3    0.017          ...    E3
-----F8
1234567890F9
1234567855M J4    0.573          REACTIVE F7
-----F8
1234567890F9
1234567856M J5    0.403          REACTIVE F3
-----F8
1234567890F9
1234567857M K1                                VOID      F1
-----F8
1234567890F9
1234567858M K2                                VOID      FD
-----F8

```



```

1234567890F9
1234567899M F4    0.094          ...      E2
-----F8

1234567890F9
1234567900M F5    0.210          REACTIVE F9
-----F8

1234567890F9
1234567901M G1    *ERROR          E*R*R*O*RE1
-----F8

1234567890F9
1234567902M G2    0.424          REACTIVE FC
-----F8

1234567890F9
1234567903M G3    0.021          ...      E8
-----F8

1234567890F9
1234567904M G4    0.195          REACTIVE F3
-----F8

1234567890F9
1234567905M G5    0.188          REACTIVE FF
-----F8

1234567890F9
1234567906M H1    0.315          REACTIVE F1
-----F8

1234567890F9
1234567907M H2    0.054          ...      E0
-----F8

1234567890F9
1234567908M H3    0.281          REACTIVE F1
-----F8

1234567890F9
1234567909M H4    0.444          REACTIVE F8
-----F8

1234567890F9
1234567910M H5    0.328          REACTIVE FC
-----F8

1234567890F9
1234567911M J1    0.479          REACTIVE F8
-----F8

1234567890F9
1234567912M J2    0.016          ...      E0
-----F8

1234567890F9
1234567913M J3    0.349          REACTIVE FC
-----F8

1234567890F9
1234567914M J4    0.360          REACTIVE F7
-----F8

1234567890F9
1234567915M J5    0.057          ...      E5
-----F8

1234567890F9
1234567916M K1    0.114          ...      E5
-----F8

1234567890F9
1234567917M K2    0.044          ...      E3
-----F8

1234567890F9
1234567918M K3    0.134          ...      EB
-----F8

1234567890F9
1234567919M K4    0.136          ...      EF
-----F8

1234567890F9
1234567920M K5    1.281          REACTIVE FF
-----F8

```

```

1234567890F9
1234567921M L1    *ERROR          E*R*R*O*RE8
-----F8

1234567890F9
1234567922M L2    0.100          OPD TIME 83
-----F8

1234567890F9
1234567923M L3    *ERROR          E*R*R*O*RE8
-----F8

1234567890F9
1234567924M L4    0.304          OPD TIME 85
-----F8

1234567890F9
1234567925M L5    0.262          OPD TIME 84
-----F8

1234567890F9
1234567926M M1    0.548          OPD TIME 8D
-----F8

1234567890F9
1234567927M M2    0.550          OPD TIME 86
-----F8

1234567890F9
1234567928M M3    0.257          OPD TIME 88
-----F8

1234567890F9
1234567929M M4    0.125          OPD TIME 88
-----F8

1234567890F9
1234567930M M5    0.073          OPD TIME 83
-----F8
Row L incubation time=39 Exceeds limit CE
Row M incubation time=39 Exceeds limit CF
+-----+F8
|^  END OF BATCH      ^|^C2
|  DATE: 10/15/97    TIME: 16:55:13 |F7
+-----+F8
F8
F8
F8
F8

```

1B: Retransmit of 1A**file name: P9OUT1B.TXT**

```

+-----+F8
|^  RETRANSMIT      ^|C5
+-----+F8
+-----+F8
|^  BATCH   INFO    ^|AA
+-----+F8
ASSAY # 77   NAME: EXAMPLE 1A BATCH      FB
TECH ID: LRJ  LOT # 12345M6001  TEST #719D
DATE: 10/15/97    TIME: 16:03:30      F5
PPC SERIAL NUMBER 0001769            81
OPD Timing = Verified                  88
Minimum Time = 28   Maximum Time = 32 ED
Sample ID Size = 20                    E9
+-----+F8
| CUTOFF=( 1.000)NCX+( 0.000)PCX+ 0.100|F8
+-----+F8
      TRAY ID      SIZE      STATUS      FA
      -----
      23000M      20      BLANKS        9F
      23001M      60      ARCHIVED       85
      23002M      60      ARCHIVED       86
F8
+-----+F8
|^  TRAY#      23000M ^|B9
|  DATE: 10/15/97    TIME: 16:40:14  |F4
+-----+F8
F8
      WELL ABSORB      E5
      I.D.#    LOC.  DIFF      NOTES  F6
      =====
BLANK      A1    0.000      EC      E5
BLANK      A2    0.000      EF
BLANK      A3   -0.001      E2
BLANK      A4    0.000      E9
BLANK      A5    0.001      E9
      -----
      AVERAGE =      0.000      88
F8
+-----+F8
|^  TRAY#      23001M ^|B8
|  DATE: 10/15/97    TIME: 16:41:10  |F1
+-----+F8
F8
      WELL ABSORB      E5
      I.D.#    LOC.  DIFF      %CV    NOTES  E6
      =====
      ^  CONTROLS ^EC
      -----
NEGATIVE CONTROL      9C
      -----
      A1    0.041      83
      A2    0.040      81
      A3    0.093      8E
      -----
      AVERAGE =      0.058  52.3      9F
      -----
      RANGE = 0.029 TO 0.087      85
      A3    0.093      ABERRANT 93
      -----
      A1    0.041      83
      A2    0.040      81
      -----

```

```

      AVERAGE =      0.041  1.7      85
POSITIVE CONTROL      94
      -----
      A4    0.788      84
      A5    0.866      8A
      -----
      AVERAGE =      0.827  6.7      8A
F8
POSITIVE - NEGATIVE =      0.786      E7
CUTOFF VALUE =      0.141      89
F8
POSITIVE-2 CONTROL      8B
      -----
      B1    0.723      F8
      B2    0.791      83
      -----
      AVERAGE =      0.757  6.4      89
F8
POSITIVE-2 - NEGATIVE =      0.716      F1
      -----
F8
      ^  SAMPLES ^AD
      -----
1234567890F9
1234567820M B3    0.799      REACTIVE FC
      -----
1234567890F9
1234567821M B4    0.237      REACTIVE FB
      -----
1234567890F9
1234567822M B5    0.176      REACTIVE FF
      -----
1234567890F9
1234567823M C1    0.275      REACTIVE FB
      -----
1234567890F9
1234567824M C2    0.075      ...      E8
      -----
1234567890F9
1234567825M C3    0.894      REACTIVE FA
      -----
1234567890F9
1234567826M C4    0.112      ...      EC
      -----
1234567890F9
1234567827M C5    0.124      ...      E9
      -----
1234567890F9
1234567828M D1 > 2.200      REACTIVE E9
      -----
1234567890F9
1234567829M D2    0.152      REACTIVE F3
      -----
1234567890F9
1234567830M D3    0.147      REACTIVE FE
      -----
1234567890F9
1234567831M D4    1.012      REACTIVE F8
      -----
1234567890F9
1234567832M D5    0.862      REACTIVE F4
      -----

```

```

1234567890F9
1234567833M E1    0.280          REACTIVE F6
F8
          E2          EMPTY    FA
-----F8
1234567890F9
1234567834M E3    0.059          ...    E0
-----F8
1234567890F9
1234567835M E4    0.051          ...    EE
-----F8
1234567890F9
1234567836M E5    0.078          ...    E7
-----F8
1234567890F9
1234567837M F1    0.240          REACTIVE FD
-----F8
1234567890F9
1234567838M F2    0.067          ...    E3
-----F8
1234567890F9
1234567839M F3    0.286          REACTIVE FB
-----F8
1234567890F9
1234567840M F4    0.082          ...    E1
-----F8
1234567890F9
1234567841M F5    0.200          REACTIVE FC
-----F8
1234567890F9
1234567842M G1          NO SAMPLEEA
-----F8
1234567890F9
1234567843M G2    0.590          REACTIVE F6
-----F8
1234567890F9
1234567844M G3    0.072          ...    EC
-----F8
1234567890F9
1234567845M G4    0.056          ...    EC
-----F8
1234567890F9
1234567846M G5    *ERROR          E*R*R*O*RE7
-----F8
1234567890F9
1234567847M H1    0.050          ...    E2
-----F8
1234567890F9
1234567848M H2    0.348          REACTIVE F1
-----F8
1234567890F9
1234567849M H3    0.154          REACTIVE FE
-----F8
1234567890F9
1234567850M H4    0.015          ...    E0
-----F8
1234567890F9
1234567851M H5    0.347          REACTIVE F1
-----F8
1234567890F9
1234567852M J1    0.013          ...    E3
-----F8
1234567890F9
1234567853M J2    0.337          REACTIVE F1
-----F8

```

```

1234567890F9
1234567854M J3    0.017          ...    E3
-----F8
1234567890F9
1234567855M J4    0.573          REACTIVE F7
-----F8
1234567890F9
1234567856M J5    0.403          REACTIVE F3
-----F8
1234567890F9
1234567857M K1          VOID      F1
-----F8
1234567890F9
1234567858M K2          VOID      FD
-----F8
1234567890F9
1234567859M K3          VOID      FD
-----F8
1234567890F9
1234567860M K4          VOID      F0
-----F8
1234567890F9
1234567861M K5          VOID      F0
-----F8
1234567890F9
1234567862M L1    0.124          ...    E3
-----F8
1234567890F9
1234567863M L2    0.357          REACTIVE F2
-----F8
1234567890F9
1234567864M L3    0.455          REACTIVE F1
-----F8
1234567890F9
1234567865M L4          VOID      F2
-----F8
1234567890F9
1234567866M L5    0.303          REACTIVE F1
-----F8
1234567890F9
1234567867M M1    0.195          REACTIVE F8
-----F8
1234567890F9
1234567868M M2    0.401          REACTIVE FC
-----F8
1234567890F9
1234567869M M3    0.253          REACTIVE FD
-----F8
1234567890F9
1234567870M M4    0.388          REACTIVE F5
-----F8
1234567890F9
1234567871M M5    0.591          REACTIVE FB
F8
+-----+F8
|^ TRAY#          23002M ^|BB
| DATE: 10/15/97          TIME: 16:43:27 |F7
+-----+F8
F8
          WELL ABSORB          E5
I.D.#    LOC.  DIFF    %CV    NOTES E6
===== == ===== =====F8
-----F8
1234567890F9
1234567872M A1    0.052          ...    EF
-----F8

```

1234567890F9					
1234567873M A2	0.047	...	E9		
-----			F8		
1234567890F9					
1234567874M A3	0.041	...	E9		
-----			F8		
1234567890F9					
1234567875M A4	0.061	...	ED		
-----			F8		
1234567890F9					
1234567876M A5	0.564	REACTIVE	FA		
-----			F8		
1234567890F9					
1234567877M B1	0.059	...	E2		
-----			F8		
1234567890F9					
1234567878M B2	0.789	REACTIVE	F1		
-----			F8		
1234567890F9					
1234567879M B3	*ERROR	E*R*R*O*RE	8		
-----			F8		
1234567890F9					
1234567880M B4	0.084	...	EF		
-----			F8		
1234567890F9					
1234567881M B5	1.177	REACTIVE	F6		
-----			F8		
1234567890F9					
1234567882M C1	0.215	REACTIVE	F6		
-----			F8		
1234567890F9					
1234567883M C2	0.193	REACTIVE	F9		
-----			F8		
1234567890F9					
1234567884M C3	0.097	...	EF		
-----			F8		
1234567890F9					
1234567885M C4	0.231	REACTIVE	F2		
-----			F8		
1234567890F9					
1234567886M C5	*ERROR	E*R*R*O*REF			
-----			F8		
1234567890F9					
1234567887M D1	0.147	REACTIVE	F0		
F8					
	D2	EMPTY	FB		
-----			F8		
1234567890F9					
1234567888M D3	0.579	REACTIVE	F4		
-----			F8		
1234567890F9					
1234567889M D4	1.292	REACTIVE	F1		
-----			F8		
1234567890F9					
1234567890M D5	0.500	REACTIVE	F5		
-----			F8		
1234567890F9					
1234567891M E1	0.595	REACTIVE	FD		
-----			F8		
1234567890F9					
1234567892M E2	0.032	...	E0		
-----			F8		
1234567890F9					
1234567893M E3	0.305	REACTIVE	F2		
-----			F8		
1234567890F9					
1234567894M E4	*ERROR	E*R*R*O*REB			
-----			F8		
1234567890F9					
1234567895M E5		NO SAMPLE	E6		
-----			F8		
1234567890F9					
1234567896M F1	> 2.200	REACTIVE	EE		
-----			F8		
1234567890F9					
1234567897M F2	0.367	REACTIVE	F0		
-----			F8		
1234567890F9					
1234567898M F3		VOID	FD		
-----			F8		
1234567890F9					
1234567899M F4	0.094	...	E2		
-----			F8		
1234567890F9					
1234567900M F5	0.210	REACTIVE	F9		
-----			F8		
1234567890F9					
1234567901M G1	*ERROR	E*R*R*O*RE1			
-----			F8		
1234567890F9					
1234567902M G2	0.424	REACTIVE	FC		
-----			F8		
1234567890F9					
1234567903M G3	0.021	...	E8		
-----			F8		
1234567890F9					
1234567904M G4	0.195	REACTIVE	F3		
-----			F8		
1234567890F9					
1234567905M G5	0.188	REACTIVE	FF		
-----			F8		
1234567890F9					
1234567906M H1	0.315	REACTIVE	F1		
-----			F8		
1234567890F9					
1234567907M H2	0.054	...	E0		
-----			F8		
1234567890F9					
1234567908M H3	0.281	REACTIVE	F1		
-----			F8		
1234567890F9					
1234567909M H4	0.444	REACTIVE	F8		
-----			F8		
1234567890F9					
1234567910M H5	0.328	REACTIVE	FC		
-----			F8		
1234567890F9					
1234567911M J1	0.479	REACTIVE	F8		
-----			F8		
1234567890F9					
1234567912M J2	0.016	...	E0		
-----			F8		
1234567890F9					
1234567913M J3	0.349	REACTIVE	FC		
-----			F8		
1234567890F9					
1234567914M J4	0.360	REACTIVE	F7		
-----			F8		
1234567890F9					
1234567915M J5	0.057	...	E5		
-----			F8		

```

1234567890F9
1234567916M K1    0.114          ...    E5
-----F8
1234567890F9
1234567917M K2    0.044          ...    E3
-----F8
1234567890F9
1234567918M K3    0.134          ...    EB
-----F8
1234567890F9
1234567919M K4    0.136          ...    EF
-----F8
1234567890F9
1234567920M K5    1.281          REACTIVE FF
-----F8
1234567890F9
1234567921M L1    *ERROR          E*R*R*O*RE8
-----F8
1234567890F9
1234567922M L2    0.100          OPD TIME 83
-----F8
1234567890F9
1234567923M L3    *ERROR          E*R*R*O*RE8
-----F8
1234567890F9
1234567924M L4    0.304          OPD TIME 85
-----F8
1234567890F9
1234567925M L5    0.262          OPD TIME 84
-----F8
1234567890F9
1234567926M M1    0.548          OPD TIME 8D
-----F8
1234567890F9
1234567927M M2    0.550          OPD TIME 86
-----F8
1234567890F9
1234567928M M3    0.257          OPD TIME 88
-----F8
1234567890F9
1234567929M M4    0.125          OPD TIME 88
-----F8
1234567890F9
1234567930M M5    0.073          OPD TIME 83
-----F8
|^  END OF BATCH      ^|C2
|  DATE: 10/15/97    TIME: 16:55:13 |F7
-----F8
F8
F8
F8
F8

```

1C: Reread of 1A

file name: P9OUT1C.TXT

```

+-----+F8
|^      REREAD      ^|DD
+-----+F8
+-----+F8
|^  BATCH  INFO    ^|AA
+-----+F8
ASSAY # 77  NAME: EXAMPLE 1A BATCH      FB
TECH ID: LRJ  LOT # 12345M6001  TEST #719D
DATE: 10/15/97    TIME: 16:03:30      F5
PPC SERIAL NUMBER 0001769              81
OPD Timing = Verified                    88
Minimum Time = 28  Maximum Time = 32 ED
Sample ID Size = 20                      E9
+-----+F8
| CUTOFF=( 1.000)NCX+( 0.000)PCX+ 0.100|F8
+-----+F8
      TRAY ID      SIZE      STATUS      FA
      -----
      23000M      20      BLANKS          9F
      23001M      60      ARCHIVED         85
      23002M      60      ARCHIVED         86
F8
+-----+F8
|^  TRAY#      23000M ^|B9
|  DATE: 10/15/97    TIME: 17:04:30 |F3
+-----+F8
F8
      WELL ABSORB      E5
      I.D.#    LOC.  DIFF      NOTES F6
      =====
BLANK      A1    0.000      EC
BLANK      A2    0.001      EE
BLANK      A3    0.000      EE
BLANK      A4    0.000      E9
BLANK      A5    0.000      E8
      -----F8
      AVERAGE =      0.000      88
F8
+-----+F8
|^  TRAY#      23001M ^|B8
|  DATE: 10/15/97    TIME: 17:04:58 |FD
+-----+F8
F8
      WELL ABSORB      E5
      I.D.#    LOC.  DIFF      %CV    NOTES E6
      =====
^  CONTROLS ^EC
-----F8
NEGATIVE CONTROL      9C
-----F8
      A1    0.041      83
      A2    0.039      8F
      A3    0.094      89
      -----F8
      AVERAGE =      0.058  53.8      95
      -----F8
      RANGE = 0.029 TO 0.087      85
      A3    0.094      ABERRANT 94
      -----F8
      A1    0.041      83
      A2    0.039      8F
      -----F8

```

```

      AVERAGE =      0.040   3.5                84
POSITIVE CONTROL                94
-----F8
      A4      0.783                8F
      A5      0.862                8E
-----F8
      AVERAGE =      0.823   6.8                81
F8
POSITIVE - NEGATIVE =      0.783                E2
CUTOFF VALUE =      0.140                88
F8
POSITIVE-2 CONTROL                8B
-----F8
      B1      0.722                82
      B2      0.787                8E
-----F8
      AVERAGE =      0.755   6.1                86
F8
POSITIVE-2 - NEGATIVE =      0.715                F2
-----F8
F8
-----F8
^      SAMPLES^AD
-----F8
1234567890F9
1234567820M B3      0.804                REACTIVE F7
-----F8
1234567890F9
1234567821M B4      0.240                REACTIVE FB
-----F8
1234567890F9
1234567822M B5      0.176                REACTIVE FF
-----F8
1234567890F9
1234567823M C1      0.277                REACTIVE F9
-----F8
1234567890F9
1234567824M C2      0.075                ...      E8
-----F8
1234567890F9
1234567825M C3      0.899                REACTIVE F7
-----F8
1234567890F9
1234567826M C4      0.112                ...      EC
-----F8
1234567890F9
1234567827M C5      0.126                ...      EB
-----F8
1234567890F9
1234567828M D1 > 2.200                REACTIVE E9
-----F8
1234567890F9
1234567829M D2      0.153                REACTIVE F2
-----F8
1234567890F9
1234567830M D3      0.148                REACTIVE F1
-----F8
1234567890F9
1234567831M D4      1.015                REACTIVE FF
-----F8
1234567890F9
1234567832M D5      0.860                REACTIVE F6
-----F8
1234567890F9
1234567833M E1      0.279                REACTIVE F0
F8
      E2                EMPTY      FA
-----F8
1234567890F9
1234567834M E3      0.060                ...      EA
-----F8
1234567890F9
1234567835M E4      0.052                ...      ED
-----F8
1234567890F9
1234567836M E5      0.078                ...      E7
-----F8
1234567890F9
1234567837M F1      0.238                REACTIVE F2
-----F8
1234567890F9
1234567838M F2      0.066                ...      E2
-----F8
1234567890F9
1234567839M F3      0.287                REACTIVE FA
-----F8
1234567890F9
1234567840M F4      0.083                ...      E0
-----F8
1234567890F9
1234567841M F5      0.202                REACTIVE FE
-----F8
1234567890F9
1234567842M G1                NO SAMPLEEA
-----F8
1234567890F9
1234567843M G2      0.585                REACTIVE F2
-----F8
1234567890F9
1234567844M G3      0.073                ...      ED
-----F8
1234567890F9
1234567845M G4      0.056                ...      EC
-----F8
1234567890F9
1234567846M G5      *ERROR                E*R*R*O*RE7
-----F8
1234567890F9
1234567847M H1      0.050                ...      E2
-----F8
1234567890F9
1234567848M H2      0.344                REACTIVE FD
-----F8
1234567890F9
1234567849M H3      0.153                REACTIVE F9
-----F8
1234567890F9
1234567850M H4      0.015                ...      E0
-----F8
1234567890F9
1234567851M H5      0.345                REACTIVE F3
-----F8
1234567890F9
1234567852M J1      0.013                ...      E3
-----F8
1234567890F9
1234567853M J2      0.335                REACTIVE F3
-----F8

```

```

1234567890F9
1234567854M J3    0.018          ...    EC
-----F8

1234567890F9
1234567855M J4    0.574          REACTIVE F0
-----F8

1234567890F9
1234567856M J5    0.396          REACTIVE F8
-----F8

1234567890F9
1234567857M K1          VOID      F1
-----F8

1234567890F9
1234567858M K2          VOID      FD
-----F8

1234567890F9
1234567859M K3          VOID      FD
-----F8

1234567890F9
1234567860M K4          VOID      F0
-----F8

1234567890F9
1234567861M K5          VOID      F0
-----F8

1234567890F9
1234567862M L1    0.123          ...    E4
-----F8

1234567890F9
1234567863M L2    0.356          REACTIVE F3
-----F8

1234567890F9
1234567864M L3    0.451          REACTIVE F5
-----F8

1234567890F9
1234567865M L4          VOID      F2
-----F8

1234567890F9
1234567866M L5    0.303          REACTIVE F1
-----F8

1234567890F9
1234567867M M1    0.193          REACTIVE FE
-----F8

1234567890F9
1234567868M M2    0.399          REACTIVE FA
-----F8

1234567890F9
1234567869M M3    0.252          REACTIVE FC
-----F8

1234567890F9
1234567870M M4    0.388          REACTIVE F5
-----F8

1234567890F9
1234567871M M5    0.590          REACTIVE FA
F8
+-----+F8
|^ TRAY#      23002M ^|BB
| DATE: 10/15/97      TIME: 17:06:33 |F2
+-----+F8
F8

          WELL ABSORB          E5
          I.D.#      LOC.  DIFF    %CV    NOTES  E6
          =====
1234567890F9
1234567872M A1    0.052          ...    EF
-----F8

```

```

1234567890F9
1234567873M A2    0.048          ...    E6
-----F8

1234567890F9
1234567874M A3    0.042          ...    EA
-----F8

1234567890F9
1234567875M A4    0.061          ...    ED
-----F8

1234567890F9
1234567876M A5    0.562          REACTIVE FC
-----F8

1234567890F9
1234567877M B1    0.059          ...    E2
-----F8

1234567890F9
1234567878M B2    0.787          REACTIVE FF
-----F8

1234567890F9
1234567879M B3    *ERROR          E*R*R*O*RE8
-----F8

1234567890F9
1234567880M B4    0.084          ...    EF
-----F8

1234567890F9
1234567881M B5    1.177          REACTIVE F6
-----F8

1234567890F9
1234567882M C1    0.215          REACTIVE F6
-----F8

1234567890F9
1234567883M C2    0.194          REACTIVE FE
-----F8

1234567890F9
1234567884M C3    0.097          ...    EF
-----F8

1234567890F9
1234567885M C4    0.230          REACTIVE F3
-----F8

1234567890F9
1234567886M C5    *ERROR          E*R*R*O*REF
-----F8

1234567890F9
1234567887M D1    0.148          REACTIVE FF
F8

          D2          EMPTY      FB
-----F8

1234567890F9
1234567888M D3    0.580          REACTIVE F2
-----F8

1234567890F9
1234567889M D4    1.294          REACTIVE F7
-----F8

1234567890F9
1234567890M D5    0.500          REACTIVE F5
-----F8

1234567890F9
1234567891M E1    0.607          REACTIVE F5
-----F8

1234567890F9
1234567892M E2    0.033          ...    E1
-----F8

1234567890F9
1234567893M E3    0.306          REACTIVE F1
-----F8

```



```

1234567890F9
1234567894M E4 *ERROR E*R*R*O*REB
-----F8
1234567890F9
1234567895M E5 NO SAMPLEE6
-----F8
1234567890F9
1234567896M F1 > 2.200 REACTIVE EE
-----F8
1234567890F9
1234567897M F2 0.366 REACTIVE F1
-----F8
1234567890F9
1234567898M F3 VOID FD
-----F8
1234567890F9
1234567899M F4 0.094 ... E2
-----F8
1234567890F9
1234567900M F5 0.208 REACTIVE F0
-----F8
1234567890F9
1234567901M G1 *ERROR E*R*R*O*RE1
-----F8
1234567890F9
1234567902M G2 0.425 REACTIVE FD
-----F8
1234567890F9
1234567903M G3 0.021 ... E8
-----F8
1234567890F9
1234567904M G4 0.197 REACTIVE F1
-----F8
1234567890F9
1234567905M G5 0.190 REACTIVE F6
-----F8
1234567890F9
1234567906M H1 0.311 REACTIVE F5
-----F8
1234567890F9
1234567907M H2 0.056 ... E2
-----F8
1234567890F9
1234567908M H3 0.280 REACTIVE F0
-----F8
1234567890F9
1234567909M H4 0.452 REACTIVE FF
-----F8
1234567890F9
1234567910M H5 0.322 REACTIVE F6
-----F8
1234567890F9
1234567911M J1 0.499 REACTIVE F6
-----F8
1234567890F9
1234567912M J2 0.016 ... E0
-----F8
1234567890F9
1234567913M J3 0.348 REACTIVE FD
-----F8
1234567890F9
1234567914M J4 0.357 REACTIVE F3
-----F8
1234567890F9
1234567915M J5 0.056 ... E4
-----F8

1234567890F9
1234567916M K1 0.114 ... E5
-----F8
1234567890F9
1234567917M K2 0.045 ... E2
-----F8
1234567890F9
1234567918M K3 0.134 ... EB
-----F8
1234567890F9
1234567919M K4 0.136 ... EF
-----F8
1234567890F9
1234567920M K5 1.272 REACTIVE F3
-----F8
1234567890F9
1234567921M L1 *ERROR E*R*R*O*RE8
-----F8
1234567890F9
1234567922M L2 0.100 OPD TIME 83
-----F8
1234567890F9
1234567923M L3 *ERROR E*R*R*O*RE8
-----F8
1234567890F9
1234567924M L4 0.304 OPD TIME 85
-----F8
1234567890F9
1234567925M L5 0.265 OPD TIME 83
-----F8
1234567890F9
1234567926M M1 0.558 OPD TIME 8C
-----F8
1234567890F9
1234567927M M2 0.549 OPD TIME 8E
-----F8
1234567890F9
1234567928M M3 0.257 OPD TIME 88
-----F8
1234567890F9
1234567929M M4 0.127 OPD TIME 8A
-----F8
1234567890F9
1234567930M M5 0.074 OPD TIME 84
-----F8
Row L incubation time=39 Exceeds limit CE
Row M incubation time=39 Exceeds limit CF
+-----+F8
|^ END OF BATCH ^|C2
| DATE: 10/15/97 TIME: 17:08:03 |FF
+-----+F8
*****F8
* When rereading assays, operator must *90
* verify that all package insert spec- *E2
* ifications (timing and assay validity*EB
* checks) are met in order to have a *E7
* valid run. *E9
* See Operations Manual, Special *FA
* Operating Procedures. *B5
*****F8
F8
F8
F8
F8

```

1D: TPC = Off, Retransmit of 1C Reread

file name: P9OUT1D.TXT

```

+-----+F8
|^  RETRANSMIT      ^|C5
+-----+F8
+-----+F8
|^  REREAD          ^|DD
+-----+F8
+-----+F8
|^  BATCH  INFO      ^|AA
+-----+F8
ASSAY # 77  NAME: EXAMPLE 1A BATCH  FB
TECH ID: LRJ  LOT # 12345M6001  TEST #719D
DATE: 10/15/97  TIME: 16:03:30  F5
PPC SERIAL NUMBER 0001769  81
OPD Timing = Verified  88
Minimum Time = 28  Maximum Time = 32 ED
Sample ID Size = 20  E9
+-----+F8
| CUTOFF=( 1.000)NCX+( 0.000)PCX+ 0.100|F8
+-----+F8
      TRAY ID      SIZE      STATUS      FA
      -----
      23000M      20      BLANKS      9F
      23001M      60      ARCHIVED      85
      23002M      60      ARCHIVED      86
F8
+-----+F8
|^ TRAY#      23000M ^|B9
| DATE: 10/15/97  TIME: 17:04:30 |F3
+-----+F8
F8
      WELL ABSORB      E5
      I.D.#  LOC.  DIFF      NOTES  F6
      =====
      BLANK  A1    0.000      EC      E5
      BLANK  A2    0.001      EE
      BLANK  A3    0.000      EE
      BLANK  A4    0.000      E9
      BLANK  A5    0.000      E8
      -----
      AVERAGE = 0.000  88
F8
+-----+F8
|^ TRAY#      23001M ^|B8
| DATE: 10/15/97  TIME: 17:04:58 |FD
+-----+F8
F8
      WELL ABSORB      E5
      I.D.#  LOC.  DIFF  %CV  NOTES  E6
      =====
      ^  CONTROLS ^EC
      -----
      NEGATIVE CONTROL  9C
      -----
      A1    0.041  83
      A2    0.039  8F
      A3    0.094  89
      -----
      AVERAGE = 0.058  53.8  95
      -----

```

```

      RANGE = 0.029 TO 0.087  85
      A3    0.094  ABERRANT 94
      -----
      A1    0.041  83
      A2    0.039  8F
      -----
      AVERAGE = 0.040  3.5  84
      POSITIVE CONTROL  94
      -----
      A4    0.783  8F
      A5    0.862  8E
      -----
      AVERAGE = 0.823  6.8  81
F8
      POSITIVE - NEGATIVE = 0.783  E2
      CUTOFF VALUE = 0.140  88
F8
      POSITIVE-2 CONTROL  8B
      -----
      B1    0.722  82
      B2    0.787  8E
      -----
      AVERAGE = 0.755  6.1  86
F8
      POSITIVE-2 - NEGATIVE = 0.715  F2
      -----
F8
      ^  SAMPLES^AD
      -----
      1234567890F9
      1234567820M B3 0.804  REACTIVE F7
      -----
      1234567890F9
      1234567821M B4 0.240  REACTIVE FB
      -----
      1234567890F9
      1234567822M B5 0.176  REACTIVE FF
      -----
      1234567890F9
      1234567823M C1 0.277  REACTIVE F9
      -----
      1234567890F9
      1234567824M C2 0.075  ...  E8
      -----
      1234567890F9
      1234567825M C3 0.899  REACTIVE F7
      -----
      1234567890F9
      1234567826M C4 0.112  ...  EC
      -----
      1234567890F9
      1234567827M C5 0.126  ...  EB
      -----
      1234567890F9
      1234567828M D1 > 2.200  REACTIVE E9
      -----
      1234567890F9
      1234567829M D2 0.153  REACTIVE F2
      -----
      1234567890F9
      1234567830M D3 0.148  REACTIVE F1
      -----
      1234567890F9
      1234567831M D4 1.015  REACTIVE FF
      -----

```



```

1234567890F9
1234567872M A1    0.052          ...    EF
-----F8
1234567890F9
1234567873M A2    0.048          ...    E6
-----F8
1234567890F9
1234567874M A3    0.042          ...    EA
-----F8
1234567890F9
1234567875M A4    0.061          ...    ED
-----F8
1234567890F9
1234567876M A5    0.562          REACTIVE FC
-----F8
1234567890F9
1234567877M B1    0.059          ...    E2
-----F8
1234567890F9
1234567878M B2    0.787          REACTIVE FF
-----F8
1234567890F9
1234567879M B3    *ERROR          E*R*R*O*RE8
-----F8
1234567890F9
1234567880M B4    0.084          ...    EF
-----F8
1234567890F9
1234567881M B5    1.177          REACTIVE F6
-----F8
1234567890F9
1234567882M C1    0.215          REACTIVE F6
-----F8
1234567890F9
1234567883M C2    0.194          REACTIVE FE
-----F8
1234567890F9
1234567884M C3    0.097          ...    EF
-----F8
1234567890F9
1234567885M C4    0.230          REACTIVE F3
-----F8
1234567890F9
1234567886M C5    *ERROR          E*R*R*O*REF
-----F8
1234567890F9
1234567887M D1    0.148          REACTIVE FF
F8
          D2          EMPTY    FB
-----F8
1234567890F9
1234567888M D3    0.580          REACTIVE F2
-----F8
1234567890F9
1234567889M D4    1.294          REACTIVE F7
-----F8
1234567890F9
1234567890M D5    0.500          REACTIVE F5
-----F8
1234567890F9
1234567891M E1    0.607          REACTIVE F5
-----F8
1234567890F9
1234567892M E2    0.033          ...    E1
-----F8

```

```

1234567890F9
1234567893M E3    0.306          REACTIVE F1
-----F8
1234567890F9
1234567894M E4    *ERROR          E*R*R*O*REB
-----F8
1234567890F9
1234567895M E5          NO SAMPLEE6
-----F8
1234567890F9
1234567896M F1    > 2.200          REACTIVE EE
-----F8
1234567890F9
1234567897M F2    0.366          REACTIVE F1
-----F8
1234567890F9
1234567898M F3          VOID          FD
-----F8
1234567890F9
1234567899M F4    0.094          ...    E2
-----F8
1234567890F9
1234567900M F5    0.208          REACTIVE F0
-----F8
1234567890F9
1234567901M G1    *ERROR          E*R*R*O*RE1
-----F8
1234567890F9
1234567902M G2    0.425          REACTIVE FD
-----F8
1234567890F9
1234567903M G3    0.021          ...    E8
-----F8
1234567890F9
1234567904M G4    0.197          REACTIVE F1
-----F8
1234567890F9
1234567905M G5    0.190          REACTIVE F6
-----F8
1234567890F9
1234567906M H1    0.311          REACTIVE F5
-----F8
1234567890F9
1234567907M H2    0.056          ...    E2
-----F8
1234567890F9
1234567908M H3    0.280          REACTIVE F0
-----F8
1234567890F9
1234567909M H4    0.452          REACTIVE FF
-----F8
1234567890F9
1234567910M H5    0.322          REACTIVE F6
-----F8
1234567890F9
1234567911M J1    0.499          REACTIVE F6
-----F8
1234567890F9
1234567912M J2    0.016          ...    E0
-----F8
1234567890F9
1234567913M J3    0.348          REACTIVE FD
-----F8
1234567890F9
1234567914M J4    0.357          REACTIVE F3
-----F8

```

```

1234567890F9
1234567915M J5    0.056      ...    E4
-----F8
1234567890F9
1234567916M K1    0.114      ...    E5
-----F8
1234567890F9
1234567917M K2    0.045      ...    E2
-----F8
1234567890F9
1234567918M K3    0.134      ...    EB
-----F8
1234567890F9
1234567919M K4    0.136      ...    EF
-----F8
1234567890F9
1234567920M K5    1.272      REACTIVE F3
-----F8
1234567890F9
1234567921M L1    *ERROR      E*R*R*O*RE8
-----F8
1234567890F9
1234567922M L2    0.100      OPD TIME 83
-----F8
1234567890F9
1234567923M L3    *ERROR      E*R*R*O*RE8
-----F8
1234567890F9
1234567924M L4    0.304      OPD TIME 85
-----F8
1234567890F9
1234567925M L5    0.265      OPD TIME 83
-----F8
1234567890F9
1234567926M M1    0.558      OPD TIME 8C
-----F8
1234567890F9
1234567927M M2    0.549      OPD TIME 8E
-----F8
1234567890F9
1234567928M M3    0.257      OPD TIME 88
-----F8
1234567890F9
1234567929M M4    0.127      OPD TIME 8A
-----F8
1234567890F9
1234567930M M5    0.074      OPD TIME 84
-----F8
+-----F8
|^  END OF BATCH    ^|C2
|  DATE: 10/15/97    TIME: 17:08:03 |FF
+-----F8
*****F8
* When rereading assays, operator must *90
* verify that all package insert spec- *E2
* ifications (timing and assay validity*EB
* checks) are met in order to have a *E7
* valid run. *E9
* See Operations Manual, Special *FA
* Operating Procedures. *B5
*****F8
F8
F8
F8
F8

```

2: TPC = Off, Invalid Controls

file name: P9OUT2.TXT

```

+-----F8
|^  BATCH    INFO    ^|AA
+-----F8
ASSAY # 77    NAME: EXAMPLE 2    E5
TECH ID: LRJ  LOT #    1258R00  TEST #5198
DATE: 10/14/97    TIME: 18:09:36    F6
PPC SERIAL NUMBER 0001769    81
+-----F8
| CUTOFF=( 1.000)NCX+( 0.000)PCX+ 0.050|FC
+-----F8
          TRAY ID      SIZE      STATUS      FA
          -----
          55000M      20      BLANKS      9E
          55555M      60      CONTROLS    87
          77777M      60
F8
+-----F8
|^  TRAY#      55000M ^|B8
|  DATE: 10/15/97    TIME: 15:56:48 |F9
+-----F8
F8
          WELL ABSORB      E5
          I.D.#    LOC.    DIFF      NOTES    F6
          =====
          BLANK    A1      0.001      ED
          BLANK    A2      -0.001      E3
          BLANK    A3      0.000      EE
          BLANK    A4      0.002      EB
          BLANK    A5      0.001      E9
          -----F8
          AVERAGE =    0.001      89
F8
+-----F8
|^  TRAY#      55555M ^|A8
|  DATE: 10/15/97    TIME: 15:58:04 |FF
+-----F8
F8
          WELL ABSORB      E5
          I.D.#    LOC.    DIFF    %CV      NOTES    E6
          =====
          *****F8
F8
^-----F8
Date: 10/15/97 15:58:14 SN: 0001769CF
ERROR 2.1.1.54 BD
Absorbance of Control out ofF7
instrument range.9C
No flagging will be done.E5
^-----F8
^  CONTROLS ^EC
^-----F8
NEGATIVE CONTROL      9C
-----F8
          A1      0.049      8B
          A2      0.044      85
          A3      0.037      80
          A4      0.059      8F
          -----F8
          AVERAGE =    0.047  19.6      9B

```

Appendix B

POSITIVE CONTROL				94	4455301E K4	0.123	OD ONLY!	E0
-----				F8	4455301E K5	1.345	OD ONLY!	E2
A5	0.545			86	4455301E L1	*ERROR	OD ONLY!	9E
B1	0.057		REJECT	88	-----F8			
B2	0.774			82	4455302E L2	0.096	OD ONLY!	ED
B3	*ERROR		REJECT	F4	4455302E L3	*ERROR	OD ONLY!	9F
-----				F8	4455302E L4	0.296	OD ONLY!	E9
AVERAGE =	0.660	24.6		96	-----F8			
-----				F8	4455303E L5	0.257	OD ONLY!	E4
^ SAMPLES^AD					4455303E M1	0.517	OD ONLY!	E2
-----				F8	4455303E M2	0.506	OD ONLY!	E1
11111M B4	0.082		OD ONLY!	E8	M3		EMPTY	F3
11111M B5	1.169		OD ONLY!	EC	-----F8			
11111M C1	0.210		OD ONLY!	E5	4455304E M4	0.106	OD ONLY!	E4
-----				F8	4455304E M5	0.067	OD ONLY!	E3
22222M C2			VOID	E2	F8			
22222M C3	0.094		OD ONLY!	EA	+-----+F8			
22222M C4	0.225		OD ONLY!	E5	^ TRAY#	777777M ^ A8		
-----				F8	DATE: 10/15/97	TIME: 16:01:02	F6	
33333M C5	*ERROR		OD ONLY!	9C	+-----+F8			
D1			EMPTY	F8	F8			
33333M D2	0.128		OD ONLY!	EB				
33333M D3	0.593		OD ONLY!	EE	I.D.#	WELL ABSORB	%CV	NOTES
-----				F8	=====	==	=====	=====
44444M D4	1.240		OD ONLY!	E6	4455304E A1	0.039		OD ONLY!
44444M D5	0.496		OD ONLY!	EB	-----F8			
44444M E1	0.608		OD ONLY!	EB	4455305E A2	0.040		OD ONLY!
-----				F8	4455305E A3	0.091		OD ONLY!
55555M E2	0.028		OD ONLY!	ED	4455305E A4			VOID
55555M E3	0.292		OD ONLY!	EF	-----F8			
55555M E4	*ERROR		OD ONLY!	9D	4455306E A5	0.095		OD ONLY!
-----				F8	4455306E B1	0.277		OD ONLY!
66666M E5	1.460		OD ONLY!	E0	4455306E B2			NO SAMPLEFF
66666M F1	> 2.200		OD ONLY!	FA	-----F8			
66666M F2	0.380		OD ONLY!	EC	4455307E B3	0.818		OD ONLY!
-----				F8	4455307E B4	0.236		OD ONLY!
77777M F3	0.212		OD ONLY!	E6	4455307E B5	0.179		OD ONLY!
77777M F4	0.087		OD ONLY!	EF	-----F8			
77777M F5	0.211		OD ONLY!	E3	4455308E C1	0.268		OD ONLY!
-----				F8	4455308E C2	0.076		OD ONLY!
88888M G1	*ERROR		OD ONLY!	97	4455308E C3	0.904		OD ONLY!
88888M G2			NO SAMPLEFF		-----F8			
88888M G3	0.020		OD ONLY!	EB	4455309E C4	0.116		OD ONLY!
-----				F8	4455309E C5	0.128		OD ONLY!
99999M G4	0.186		OD ONLY!	E0	4455309E D1	> 2.200		OD ONLY!
99999M G5	0.199		OD ONLY!	EF	-----F8			
99999M H1	0.317		OD ONLY!	E0	4455310E D2	0.149		OD ONLY!
-----				F8	4455310E D3	0.153		OD ONLY!
101010M H2	0.050		OD ONLY!	FB	4455310E D4	1.030		OD ONLY!
101010M H3	0.279		OD ONLY!	F3	-----F8			
101010M H4	0.398		OD ONLY!	FA	4455311E D5	0.833		OD ONLY!
-----				F8	4455311E E1	0.279		OD ONLY!
THISISIT OM H5	0.331		OD ONLY!	E8	4455311E E2	*ERROR		OD ONLY!
THISISIT OM J1	0.410		OD ONLY!	EA	-----F8			
THISISIT OM J2	0.015		OD ONLY!	E8	4455312E E3	0.061		OD ONLY!
-----				F8	4455312E E4	0.053		OD ONLY!
THISISIT 1M J3	0.337		OD ONLY!	EB	4455312E E5	0.077		OD ONLY!
THISISIT 1M J4	0.350		OD ONLY!	ED	-----F8			
THISISIT 1M J5	0.059		OD ONLY!	E6	4455313E F1	0.247		OD ONLY!
-----				F8	4455313E F2	0.066		OD ONLY!
4455300E K1	0.094		OD ONLY!	E9	4455313E F3	0.286		OD ONLY!
4455300E K2	0.042		OD ONLY!	E1	F4			EMPTY
4455300E K3	0.117		OD ONLY!	E1	-----F8			
-----				F8	4455314E F5	0.200		OD ONLY!

```

4455315E G3 0.070 OD ONLY! E9
4455315E G4 0.056 OD ONLY! EA
4455315E G5 *ERROR OD ONLY! 94
-----F8
4455316E H1 0.052 OD ONLY! E7
4455316E H2 0.356 OD ONLY! E3
4455316E H3 0.156 OD ONLY! E0
-----F8
4455317E H4 0.014 OD ONLY! E1
4455317E H5 0.355 OD ONLY! E6
4455317E J1 0.016 OD ONLY! E4
-----F8
4455318E J2 0.348 OD ONLY! E0
4455318E J3 0.018 OD ONLY! E7
4455318E J4 0.588 OD ONLY! EC
-----F8
4455319E J5 0.408 OD ONLY! E5
4455319E K1 0.293 OD ONLY! E4
4455319E K2 VOID EB
-----F8
4455320E K3 0.325 OD ONLY! E0
K4 EMPTY F2
K5 EMPTY F3
L1 EMPTY F0
L2 EMPTY F3
L3 EMPTY F2
L4 EMPTY F5
L5 EMPTY F4
M1 EMPTY F1
M2 EMPTY F2
M3 EMPTY F3
M4 EMPTY F4
M5 EMPTY F5
+-----F8
|^ END OF BATCH ^|C2
| DATE: 10/15/97 TIME: 16:02:39 |FD
+-----F8
F8
F8
F8
F8

```

3: TPC = Record

file name: P9OUT3.TXT

```

+-----+F8
|^ BATCH INFO ^|AA
+-----+F8
ASSAY # 76 NAME: EXAMPLE 3 TPC RECORD 8F
LIST #-PROCEDURE: 1980-TR 88
TECH ID 1: LRJ 90
TECH ID 2: E7
TECH ID OPD: 8E
TECH ID ACID: FA
TPC MODE = RECORD 8C
PPC SERIAL NUMBER 0001769 81
PPC VERSION NUMBER 8CA1 E9
DATE: 10/14/97 TIME: 17:33:51 F1
+-----+F8
| CUTOFF=( 1.000)NCX+( 0.000)PCX+ 0.050|FC
+-----+F8
TRAY ID SIZE STATUS FA
-----
742000M 20 BLANKS 8F
742301M 60 CONTROLS 84
742302M 60 93
F8
TPC INFORMATION: E9
===== F8
TYPE EXPIRATION LOT# DEV. E6
----- F8
ML 1111M4000M FD
CNJ1 1111M4002M 88
OPD 2332168M F1
ACID 53964744M 90
F8
+-----+F8
|^ TRAY# 742000M ^|A9
| TPC INFORMATION: |E9
| |F8
| TYPE EXPIRATION LOT# DEV. |E6
|-----|F5
| BKBD |F7
| |F8
| DATE: 10/14/97 TIME: 17:53:01 |F2
+-----+F8
F8
WELL ABSORB E5
I.D.# LOC. DIFF NOTES F6
=====E5
BLANK A1 0.000 EC
BLANK A2 0.001 EE
BLANK A3 0.000 EE
BLANK A4 0.000 E9
BLANK A5 0.000 E8
-----F8
AVERAGE = 0.000 88
F8
+-----+F8

```

^ TRAY# 742301M ^ AB					111117M D1	0.137	REACTIVE	F6
TPC INFORMATION:					-----F8			
TYPE EXPIRATION LOT# DEV.					111118M D2	0.135	REACTIVE	F8
-----					-----F8			
NCN1					111119M D3	0.544	REACTIVE	FA
PCN1					-----F8			
PCN2					111120M D4	0.514	REACTIVE	F2
PIPETTOR SERIAL NUMBER					-----F8			
PIPETTOR VERSION NUMBER					111121M D5	0.513	REACTIVE	F5
PIPETTOR TECH ID:					-----F8			
DATE: 10/14/97 TIME: 17:54:06					111122M E1	0.428	REACTIVE	FA
-----					-----F8			
F8					111123M E2	0.025	LOW	9E
-----					-----F8			
F8					111124M E3	0.317	REACTIVE	F5
-----					-----F8			
WELL ABSORB					111125M E4	*ERROR	E*R*R*O*RE	9
I.D.#	LOC.	DIFF	%CV	NOTES	-----F8			
=====	==	=====	=====	=====	-----F8			
^ CONTROLS ^EC					-----F8			
NEGATIVE CONTROL					111127M F1	1.593	REACTIVE	FC
-----					-----F8			
A1 0.053					111128M F2	0.362	REACTIVE	F9
A2 0.045					-----F8			
A3 0.035					111129M F3		VOID	FF
-----					-----F8			
AVERAGE = 0.044 20.3					111130M F4	0.097	REACTIVE	FF
POSITIVE CONTROL					-----F8			
-----					111131M F5	0.208	REACTIVE	FB
A4 0.561					-----F8			
A5 0.575					111132M G1	*ERROR	E*R*R*O*RE	8
-----					-----F8			
AVERAGE = 0.568 1.7					111133M G2	0.434	REACTIVE	F6
F8					-----F8			
POSITIVE - NEGATIVE = 0.524					111134M G3	0.275	REACTIVE	F3
CUTOFF VALUE = 0.094					-----F8			
F8					111135M G4	0.164	REACTIVE	F6
POSITIVE-2 CONTROL					-----F8			
-----					111136M G5	0.169	REACTIVE	F9
B1 0.180					-----F8			
B2 0.779					111137M H1	0.315	REACTIVE	FA
-----					-----F8			
AVERAGE = 0.480 88.3					111138M H2	0.296	REACTIVE	FC
F8					-----F8			
POSITIVE-2 - NEGATIVE = 0.436					111139M H3	0.291	REACTIVE	FB
F8					-----F8			
-----					111140M H4	0.310	REACTIVE	FA
^ SAMPLES^AD					-----F8			
111110M B3 *ERROR E*R*R*O*REF					111141M H5	0.320	REACTIVE	F9
-----					-----F8			
111111M B4 0.091 ... EB					111142M J1	0.147	REACTIVE	FF
-----					-----F8			
111112M B5 1.161 REACTIVE F3					111143M J2	0.008	LOW	98
C1 EMPTY FF					-----F8			
-----					111144M J3	0.143	REACTIVE	FF
111113M C2 0.183 REACTIVE F9					-----F8			
-----					111145M J4	0.172	REACTIVE	FB
111114M C3 0.101 REACTIVE F5					-----F8			
-----					111146M J5	0.294	REACTIVE	F2
111115M C4 0.221 REACTIVE F2					-----F8			
-----					111147M K1	0.106	REACTIVE	FE
111116M C5 *ERROR E*R*R*O*REE					-----F8			
-----					111148M K2	0.042	...	E6
-----					-----F8			
-----					111149M K3	0.129	REACTIVE	FF
-----					-----F8			

111150M K4	0.131	REACTIVE F9	123463M C4	0.106	REACTIVE F1
-----F8			-----F8		
111151M K5	1.436	REACTIVE FA	123464M C5		NO SAMPLEE2
-----F8			-----F8		
111152M L1	*ERROR	E*R*R*O*RE5	123465M D1	> 2.200	REACTIVE EC
-----F8			-----F8		
111153M L2	0.100	REACTIVE F9	123466M D2	0.141	REACTIVE F6
-----F8			-----F8		
111154M L3	*ERROR	E*R*R*O*RE1	123467M D3	0.150	REACTIVE F6
-----F8			-----F8		
111155M L4		NO SAMPLEEA	123468M D4	0.996	REACTIVE FC
-----F8			-----F8		
111156M L5	0.240	REACTIVE FC	123469M D5	0.731	REACTIVE FF
-----F8			-----F8		
111157M M1	0.203	REACTIVE FF	123470M E1	0.262	REACTIVE F1
-----F8			-----F8		
111158M M2	0.544	REACTIVE F7	123471M E2	*ERROR	E*R*R*O*REA
-----F8			E3		EMPTY FB
111159M M3	0.244	REACTIVE F0	-----F8		
-----F8			123472M E4	0.048	... E9
111160M M4	0.118	REACTIVE F7	-----F8		
-----F8			123473M E5	0.076	... E4
111161M M5	0.068	... E4	-----F8		
F8			123474M F1	0.226	REACTIVE F6
-----F8			-----F8		
+-----+F8			123475M F2	0.070	... E0
^ TRAY# 742302M ^ A8			-----F8		
TPC INFORMATION:		E9	123476M F3	0.271	REACTIVE F4
-----F8			-----F8		
TYPE EXPIRATION	LOT#	DEV.	123477M F4	0.090	... EA
-----F5			-----F8		
PIPETTOR SERIAL NUMBER		EA	123478M F5	0.211	REACTIVE FA
PIPETTOR VERSION NUMBER		90	-----F8		
PIPETTOR TECH ID:		E4	123479M G1	0.092	... E2
-----F8			-----F8		
DATE: 10/14/97	TIME: 17:57:27	F2	123480M G2	0.579	REACTIVE F2
-----F8			-----F8		
F8			123481M G3	0.082	... E6
-----F8			-----F8		
WELL ABSORB		E5	123482M G4	0.062	... EC
I.D.# LOC. DIFF %CV NOTES		E6	-----F8		
=====			123483M G5	*ERROR	E*R*R*O*RE2
-----F8			-----F8		
123450M A1	0.042	...	123484M H1	0.051	... E0
-----F8			-----F8		
123451M A2	0.046	...	123485M H2	0.344	REACTIVE F0
-----F8			-----F8		
123452M A3		VOID	123486M H3	0.152	REACTIVE F7
-----F8			-----F8		
123453M A4	0.045	...	123487M H4	0.013	LOW 9A
-----F8			-----F8		
123454M A5	0.093	...	123488M H5	0.345	REACTIVE FB
-----F8			-----F8		
123455M B1	0.292	REACTIVE FE	123489M J1		NO SAMPLEEC
-----F8			-----F8		
123456M B2	0.761	REACTIVE F7	123490M J2	0.329	REACTIVE FD
-----F8			-----F8		
123457M B3	0.763	REACTIVE F5	123491M J3	0.017	LOW 9C
-----F8			-----F8		
123458M B4	0.208	REACTIVE F5	123492M J4	0.574	REACTIVE F7
-----F8			-----F8		
123459M B5	0.177	REACTIVE FE	123493M J5	0.392	REACTIVE F9
-----F8			-----F8		
123460M C1	0.204	REACTIVE F6	123494M K1	0.269	REACTIVE FE
-----F8			-----F8		
123461M C2	0.082	... ED	123495M K2	0.088	... E4
-----F8			-----F8		
123462M C3	0.845	REACTIVE F9			
-----F8					

```
123496M K3    0.319      REACTIVE F8
-----F8
123497M K4    0.328      REACTIVE FC
-----F8
123498M K5    0.562      REACTIVE FA
-----F8
123499M L1    0.125      REACTIVE FF
-----F8
123500M L2    0.345      REACTIVE F9
-----F8
123501M L3    0.326      REACTIVE FC
-----F8
123502M L4    0.208      REACTIVE F5
-----F8
123503M L5    0.308      REACTIVE F4
-----F8
123504M M1    0.182      REACTIVE F6
-----F8
123505M M2    0.407      REACTIVE FC
-----F8
123506M M3    0.272      REACTIVE FA
-----F8
123507M M4    0.405      REACTIVE FA
-----F8
123508M M5    0.588      REACTIVE F0
-----+F8
|^  END OF BATCH      ^|C2
|  DATE: 10/14/97      TIME: 17:59:56  |FA
+-----+F8
F8
F8
F8
F8
```

4: TPC = Verify

file name: P9OUT4.TXT

```
F8
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^F8
Date: 10/14/97 16:10:25 SN: 0001769C3
ERROR 9.1.1.33 B7
Pipettor Sample ID Length IncompatibleFF
Tray 99771001E6
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^F8
F8
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^F8
Date: 10/14/97 16:11:51 SN: 0001769C1
ERROR 9.1.1.33 B7
Pipettor Sample ID Length IncompatibleFF
Tray 99772222E6
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^F8
F8
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^F8
Date: 10/14/97 16:22:26 SN: 0001769C1
ERROR 3.2.1.12 BD
Component Lot Expired - 22233145B8
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^F8
+-----+F8
|^  BATCH INFO      ^|AA
+-----+F8
ASSAY # 75 NAME: EXAMPLE 4 TPC DEV F1
LIST #-PROCEDURE: 1980-TK 91
TECH ID 1: LRJLRJ E4
TECH ID 2: E7
TECH ID OPD: MSK FB
TECH ID ACID: NTL 8C
TPC MODE = VERIFY 96
PPC SERIAL NUMBER 0001769 81
PPC VERSION NUMBER 8CA1 E9
DATE: 10/14/97 TIME: 16:09:17 FB
+-----+F8
| CUTOFF=( 1.000)NCX+( 0.000)PCX+ 0.050|FC
+-----+F8
TRAY ID SIZE STATUS FA
-----
997700M 20 BLANKS 8E
99771001M 60 CONTROLS 87
99772222M 60 93
F8
TPC INFORMATION: E9
===== F8
F8
TYPE EXPIRATION LOT# DEV. E6
----- F8
ML 12/25/97 70893M500B FC
CNJ1 12/25/97 70893M507M 83
OPD 12/25/97-00:00:01 22233145M *01* EB
ACID 12/25/97 456ACIDM 88
F8
+-----+F8
|^  TRAY# 997700M ^|A8
| TPC INFORMATION: |E9
| | F8
| TYPE EXPIRATION LOT# DEV. |E6
| | F5
| BKBD *06* |F1
| | F8
| DATE: 10/14/97 TIME: 16:23:50 |F0
+-----+F8
```

F8					161616b C2	0.182	REACTIVE D2	
	WELL ABSORB			E5				
I.D.#	LOC.	DIFF		NOTES F6	171717b C3	0.004	...	C8
=====	==	=====		=====E5				
BLANK	A1	-0.001		E0	181818b C4	0.220	REACTIVE D1	
BLANK	A2	0.001		EE				
BLANK	A3	0.000		EE	191919b C5	*ERROR	E*R*R*O*RCE	
BLANK	A4	0.000		E9				
BLANK	A5	-0.001		E4	202020b D1	0.138	REACTIVE D2	
				F8	D2		EMPTY FB	
AVERAGE =		0.000		88				
F8					D3		VOID 9B	
+-----+F8								
^ TRAY# 99771001M ^ A8					232323b D4	0.514	REACTIVE DE	
TPC INFORMATION:				E9				
				F8	242424b D5	0.511	REACTIVE DD	
TYPE EXPIRATION		LOT#	DEV.	E6				
				F5	252525b E1	0.429	REACTIVE D3	
NCN1 12/25/97		70893M502B		8D				
PCN1 12/25/97		70893M503B		92	262626b E2	0.025	...	CE
SPDL 12/25/97		12345601M		92				
BEAD 12/25/97		70893M504B		FB	272727b E3	0.316	REACTIVE D8	
PIPETTOR SERIAL NUMBER		Pip SN		9E				
PIPETTOR VERSION NUMBER	2.5			99	282828b E4	0.005	...	C4
PIPETTOR TECH ID: FPCTID				E8				
				F8	292929b E5	0.833	REACTIVE DC	
DATE: 10/14/97		TIME: 16:24:52		F5				
+-----+F8					49761F1b F1	1.582	REACTIVE BC	
F8								
	WELL ABSORB			E5	63785F2b F2	0.348	REACTIVE BF	
I.D.#	LOC.	DIFF	%CV	NOTES E6				
=====	==	=====	=====	=====F8	94265F3b F3	0.169	REACTIVE BD	
				F8				
^ CONTROLS ^EC					44982F4b F4	0.098	REACTIVE BD	
				F8				
NEGATIVE CONTROL				9C	12345F5b F5	0.206	REACTIVE BA	
				F8				
	A1	0.053		80	49761G1b G1	*ERROR	E*R*R*O*RAD	
	A2	0.044		85				
	A3	0.035		82	63785G2b G2	0.433	REACTIVE B4	
				F8				
AVERAGE =		0.044	20.5	91	94265G3b G3	0.273	REACTIVE B5	
POSITIVE CONTROL				94				
				F8	44982G4b G4	0.162	REACTIVE B9	
	A4	0.561		81				
	A5	0.580		8F	12345G5b G5	0.167	REACTIVE BE	
				F8				
AVERAGE =		0.571	2.4	83	49761H1b H1	0.657	REACTIVE B6	
F8								
POSITIVE - NEGATIVE =		0.527		EE	63785H2b H2	0.292	REACTIVE B9	
CUTOFF VALUE =		0.094		80				
				F8	94265H3b H3	0.270	REACTIVE B6	
F8								
				F8	44982H4b H4	0.311	REACTIVE BF	
^ SAMPLES ^AD								
				F8	12345H5b H5	0.316	REACTIVE BA	
*****b B1	0.178		REACTIVE D2					
				F8	49761J1b J1	0.147	REACTIVE B0	
*****b B2	0.783		REACTIVE D3					
				F8	63785J2b J2	0.007	...	A2
*****b B3	0.816		REACTIVE D1					
				F8	94265J3b J3	0.144	REACTIVE B2	
*****b B4	0.092		...	C7				
				F8	44982J4b J4	0.167	REACTIVE BC	
*****b B5	1.159		REACTIVE D4					
	C1		EMPTY FF		12345J5b J5	0.246	REACTIVE BE	
				F8				

49761K1b K1	0.107	REACTIVE B4	4567890123b B4	0.209	REACTIVE D3
-----F8			-----F8		
63785K2b K2	0.041	... A0	5678901234b B5	0.188	REACTIVE D8
-----F8			-----F8		
94265K3b K3	0.126	REACTIVE B6	111111b C1	0.207	REACTIVE D8
-----F8			-----F8		
44982K4b K4	0.130	REACTIVE BE	222222b C2	0.372	REACTIVE D8
-----F8			-----F8		
12345K5b K5	1.432	REACTIVE BA	333333b C3	0.942	REACTIVE D0
-----F8			-----F8		
49761L1b L1	*ERROR	E*R*R*O*RAD	444444b C4	0.108	REACTIVE D1
-----F8			-----F8		
63785L2b L2	0.095	REACTIVE BC	555555b C5	0.120	REACTIVE DA
-----F8			-----F8		
94265L3b L3	0.298	REACTIVE B0	666666b D1 > 2.200		REACTIVE C4
-----F8			D2		EMPTY FB
44982L4b L4	0.285	REACTIVE B3	-----F8		
-----F8			888888b D3	0.149	REACTIVE D4
12345L5b L5	0.226	REACTIVE B8	-----F8		
-----F8			999999b D4	0.997	REACTIVE D8
49761M1b M1	0.198	REACTIVE B2	-----F8		
-----F8			101010b D5	0.728	REACTIVE D2
63785M2b M2	0.544	REACTIVE B5	-----F8		
-----F8			1111110b E1	0.263	REACTIVE CC
94265M3b M3	0.245	REACTIVE B0	-----F8		
-----F8			121212b E2	*ERROR	E*R*R*O*RC4
44982M4b M4	0.115	REACTIVE B9	-----F8		
-----F8			131313b E3	0.316	REACTIVE DF
12345M5b M5	0.069	... A4	-----F8		
F8			141414b E4	0.274	REACTIVE DA
+-----+F8			-----F8		
^ TRAY# 99772222M ^ A8			E5		VOID 9C
TPC INFORMATION:		E9	-----F8		
		F8	12345F1b F1	0.229	REACTIVE B7
TYPE EXPIRATION LOT# DEV.		E6	-----F8		
		F5	12345F2b F2	0.248	REACTIVE B0
NCN1 12/25/97 70893M502B		8D	-----F8		
PCN1 12/25/97 70893M503B		92	12345F3b F3	0.272	REACTIVE B9
SPDL 12/25/97 12345601M		92	-----F8		
BEAD 12/25/97 70893M504B		FB	12345F4b F4	0.358	REACTIVE B0
PIPETTOR SERIAL NUMBER Pip SN		9E	-----F8		
PIPETTOR VERSION NUMBER 2.5		99	12345F5b F5	0.198	REACTIVE BE
PIPETTOR TECH ID: FPCTID		E8	-----F8		
		F8	12345G1b G1	0.436	REACTIVE BF
DATE: 10/14/97 TIME: 16:27:44		F1	-----F8		
+-----+F8			12345G2b G2	0.578	REACTIVE B4
F8			-----F8		
	WELL ABSORB	E5	12345G3b G3	0.513	REACTIVE B9
I.D.# LOC. DIFF %CV NOTES		E6	-----F8		
=====		F8	12345G4b G4	0.340	REACTIVE B9
-----F8			-----F8		
*****b A1 0.064 ...		C8	12345G5b G5	*ERROR	E*R*R*O*RA1
-----F8			-----F8		
*****b A2 0.072 ...		CC	12345H1b H1	0.466	REACTIVE BA
-----F8			-----F8		
*****b A3 0.208 REACTIVE		D7	12345H2b H2	0.349	REACTIVE B0
-----F8			-----F8		
*****b A4 0.196 REACTIVE		D4	12345H3b H3	0.152	REACTIVE B8
-----F8			-----F8		
*****b A5 0.403 REACTIVE		DC	12345H4b H4	0.447	REACTIVE B9
-----F8			-----F8		
1234567890b B1 0.285 REACTIVE		D2	12345H5b H5	0.345	REACTIVE BC
-----F8			-----F8		
2345678901b B2 0.758 REACTIVE		D4	12345J1b J1	0.010	... AA
-----F8			-----F8		
3456789012b B3 0.760 REACTIVE		DE	12345J2b J2	0.327	REACTIVE B8
-----F8			-----F8		

```

12345J3b J3 0.005 ... AE
-----F8
12345J4b J4 0.565 REACTIVE B8
-----F8
12345J5b J5 0.389 REACTIVE BC
-----F8
12345K1b K1 0.272 REACTIVE B9
-----F8
12345K2b K2 0.087 ... A4
-----F8
12345K3b K3 0.318 REACTIVE B4
-----F8
12345K4b K4 0.327 REACTIVE B8
-----F8
12345K5b K5 0.553 REACTIVE BD
-----F8
12345L1b L1 0.015 ... AF
-----F8
12345L2b L2 0.347 REACTIVE BE
-----F8
12345L3b L3 0.320 REACTIVE BF
-----F8
12345L4b L4 0.209 REACTIVE B5
-----F8
12345L5b L5 0.309 REACTIVE B4
-----F8
12345M1b M1 0.184 REACTIVE B3
-----F8
12345M2b M2 0.403 REACTIVE B9
-----F8
12345M3b M3 0.260 REACTIVE BA
-----F8
12345M4b M4 0.376 REACTIVE BC
-----F8
12345M5b M5 0.589 REACTIVE BA
+-----+F8
|^ END OF BATCH ^|C2
| DATE: 10/14/97 TIME: 16:29:52 |F8
+-----+F8
F8
F8
F8
F8

```

5: Calibration with Tray Map, TPC = Verify

file name: P9OUT5.TXT

```

*****F8
TPC Mode: VERIFY B1
F8
TPC INFORMATION: E9
===== F8
F8
TYPE EXPIRATION LOT# DEV. E6
-----F8
BKBD 12/25/97 9999999999M 90
ORSN 12/25/97 123ORSNM 8F
F8
PPC SERIAL NUMBER 0001769 81
PPC VERSION NUMBER 8CA1 E9
TECH ID: LRJLRJ F5
F8
*****F8
Calibration PASSED 82
Date: 10/14/97 Time: 15:13:48 F9
*****F8
Col 5 Col 4 Col 3 Col 2 Col 1 89
Mean:-0.104 -0.102 -0.100 -0.108 -0.097 C6
Std: 0.003 0.005 0.002 0.001 0.003 89
F8
F8
F8
F8
*****F8
Tray: 123456 Status: CALIBRATION BF
Date: 10/14/97 15:13:48 SN: 0001769C8
D8
TPC Mode: VERIFY 91
D8
TPC INFORMATION: C9
===== D8
D8
TYPE EXPIRATION LOT# DEV. C6
-----D8
BKBD 12/25/97 9999999999M B0
ORSN 12/25/97 123ORSNM AF
D8
PPC SERIAL NUMBER 0001769 A1
PPC VERSION NUMBER 8CA1 C9
TECH ID: LRJLRJ D5
D8

```

```

Well Status:C4
      5      4      3      2      1C9
+-----+-----+-----+-----+-----+D8
A|FILLED|FILLED|FILLED|FILLED|FILLED|AF6
|-0.100|-0.110|-0.099|-0.107|-0.097|D2
+-----+-----+-----+-----+-----+D8
B|FILLED|FILLED|FILLED|FILLED|FILLED|BF6
|-0.107|-0.099|-0.103|-0.109|-0.094|DA
+-----+-----+-----+-----+-----+D8
C|FILLED|FILLED|FILLED|FILLED|FILLED|CF6
|-0.105|-0.105|-0.099|-0.106|-0.098|DD
+-----+-----+-----+-----+-----+D8
D|FILLED|FILLED|FILLED|FILLED|FILLED|DF6
|-0.105|-0.102|-0.097|-0.110|-0.095|DE
+-----+-----+-----+-----+-----+D8
E|FILLED|FILLED|FILLED|FILLED|FILLED|EF6
|-0.106|-0.098|-0.101|-0.107|-0.095|D7
+-----+-----+-----+-----+-----+D8
F|FILLED|FILLED|FILLED|FILLED|FILLED|FF6
|-0.103|-0.097|-0.102|-0.108|-0.101|DD
+-----+-----+-----+-----+-----+D8
G|Empty|Empty|Empty|Empty|Empty|G8D
|      |      |      |      |      |D8
+-----+-----+-----+-----+-----+D8
H|Empty|Empty|Empty|Empty|Empty|H8D
|      |      |      |      |      |D8
+-----+-----+-----+-----+-----+D8
J|Empty|Empty|Empty|Empty|Empty|J8D
|      |      |      |      |      |D8
+-----+-----+-----+-----+-----+D8
K|Empty|Empty|Empty|Empty|Empty|K8D
|      |      |      |      |      |D8
+-----+-----+-----+-----+-----+D8
L|Empty|Empty|Empty|Empty|Empty|L8D
|      |      |      |      |      |D8
+-----+-----+-----+-----+-----+D8
M|Empty|Empty|Empty|Empty|Empty|M8D
|      |      |      |      |      |D8
+-----+-----+-----+-----+-----+D8
*****F8
      Calibration PASSED      82
      Col 5 Col 4 Col 3 Col 2 Col 1 89
Mean:-0.104 -0.102 -0.100 -0.108 -0.097 C6
Std:  0.003  0.005  0.002  0.001  0.003 89
      F8
F8
F8
F8

```

6: Calibration with Tray Map, TPC = Off

file name: P9OUT6.TXT

```

*****F8
TPC Mode: OFF      C9
      F8
*****F8
      Calibration PASSED      82
      Date: 10/14/97 14:57:01 SN: 0001769 C4
*****F8
      Col 5 Col 4 Col 3 Col 2 Col 1 89
Mean:-0.105 -0.103 -0.100 -0.108 -0.097 C6
Std:  0.003  0.005  0.003  0.001  0.003 88
      F8
      F8
F8
F8
*****F8
Tray: 111111 Status: CALIBRATION B8
      Date: 10/14/97 14:57:01 SN: 0001769C4
      D8
TPC Mode: OFF      E9
      D8
Well Status:C4
      5      4      3      2      1C9
+-----+-----+-----+-----+-----+D8
A|FILLED|FILLED|FILLED|FILLED|FILLED|AF6
|-0.100|-0.111|-0.099|-0.107|-0.098|DC
+-----+-----+-----+-----+-----+D8
B|FILLED|FILLED|FILLED|FILLED|FILLED|BF6
|-0.108|-0.100|-0.104|-0.109|-0.094|D3
+-----+-----+-----+-----+-----+D8
C|FILLED|FILLED|FILLED|FILLED|FILLED|CF6
|-0.105|-0.106|-0.099|-0.106|-0.098|DE
+-----+-----+-----+-----+-----+D8
D|FILLED|FILLED|FILLED|FILLED|FILLED|DF6
|-0.106|-0.102|-0.096|-0.110|-0.096|DF
+-----+-----+-----+-----+-----+D8
E|FILLED|FILLED|FILLED|FILLED|FILLED|EF6
|-0.106|-0.098|-0.101|-0.107|-0.096|D4
+-----+-----+-----+-----+-----+D8
F|FILLED|FILLED|FILLED|FILLED|FILLED|FF6
|-0.103|-0.098|-0.103|-0.108|-0.102|D0
+-----+-----+-----+-----+-----+D8
G|Empty|Empty|Empty|Empty|Empty|G8D
|      |      |      |      |      |D8
+-----+-----+-----+-----+-----+D8
H|Empty|Empty|Empty|Empty|Empty|H8D
|      |      |      |      |      |D8
+-----+-----+-----+-----+-----+D8
J|Empty|Empty|Empty|Empty|Empty|J8D
|      |      |      |      |      |D8
+-----+-----+-----+-----+-----+D8
K|Empty|Empty|Empty|Empty|Empty|K8D
|      |      |      |      |      |D8
+-----+-----+-----+-----+-----+D8
L|Empty|Empty|Empty|Empty|Empty|L8D
|      |      |      |      |      |D8
+-----+-----+-----+-----+-----+D8
M|Empty|Empty|Empty|Empty|Empty|M8D
|      |      |      |      |      |D8
+-----+-----+-----+-----+-----+D8

```

```

*****F8
          Calibration PASSED      82
          Col 5  Col 4  Col 3  Col 2  Col 1 89
Mean:-0.105 -0.103 -0.100 -0.108 -0.097 C6
Std:  0.003  0.005  0.003  0.001  0.003 88
                                           F8
                                           F8
F8
F8
F8
F8

```

7: TPC = Off, Power Loss Recovery

file name: P9OUT7.TXT

```

+-----+F8
|^  BATCH  INFO  ^|AA
+-----+F8
ASSAY # 74   NAME: EXAMPLE 7 POWER LOSS 9F
TECH ID: LRJ  LOT # 1593728640  TEST #51E5
DATE: 10/14/97    TIME: 14:30:04    F1
PPC SERIAL NUMBER 0001769          81
+-----+F8
| CUTOFF=( 1.000)NCX+( 0.000)PCX+ 0.050|FC
+-----+F8
          TRAY ID      SIZE      STATUS      FA
          -----
          159350M      20      BLANKS        85
          159351M      60      CONTROLS      8D
          15952M       60
F8
+-----+F8
|^ TRAY#      159350M ^|A3
| DATE: 10/14/97    TIME: 14:45:08 |FF
+-----+F8
F8
          WELL ABSORB          E5
          I.D.#    LOC.  DIFF          F6
          =====
BLANK      A1      0.000          EC
BLANK      A2      0.000          EF
BLANK      A3      0.000          EE
BLANK      A4      0.000          E9
BLANK      A5      0.000          E8
          -----
          AVERAGE =      0.000          88
F8
+-----+F8
|^ TRAY#      159351M ^|A2
| DATE: 10/14/97    TIME: 14:46:25 |F3
+-----+F8
F8
          WELL ABSORB          E5
          I.D.#    LOC.  DIFF    %CV    NOTES  E6
          =====
          ^      CONTROLS ^EC
          -----
NEGATIVE CONTROL          9C
          -----
          A1      0.049          8B
          A2      0.047          86
          A3      0.036          81
          -----
          AVERAGE =      0.044  15.9          9B
POSITIVE CONTROL          94
          -----
          A4      0.564          84
          A5      0.583          8C
          -----
          AVERAGE =      0.574  2.3          81
F8
POSITIVE - NEGATIVE =      0.530          E8
CUTOFF VALUE =      0.094          80
+-----+F8

```

```

F8
-----F8
^      SAMPLES^AD
-----F8
1234500M B1    0.177      REACTIVE E3
-----F8
1234501M B2    0.784      REACTIVE EB
-----F8
1234502M B3    0.825      REACTIVE ED
-----F8
1234503M B4    0.094      REACTIVE E9
-----F8
1234504M B5    1.162      REACTIVE E6
-----F8
1234505M C1    0.209      REACTIVE ED
-----F8
1234506M C2                VOID    E7
-----F8
1234507M C3    0.008      ...    FB
-----F8
1234508M C4    0.223      REACTIVE ED
-----F8
1234509M C5    *ERROR      E*R*R*O*RF1
-----F8
1234510M D1    0.137      REACTIVE E0
-----F8
1234511M D2    0.663      REACTIVE E4
-----F8
1234512M D3    0.542      REACTIVE E6
-----F8
1234513M D4    0.518      REACTIVE EF
-----F8
1234514M D5    0.510      REACTIVE E1
-----F8
1234515M E1    0.429      REACTIVE EE
-----F8
1234516M E2    0.024      ...    F2
-----F8
1234517M E3    0.316      REACTIVE E5
-----F8
1234518M E4    0.005      ...    F9
-----F8
1234519M E5    0.835      REACTIVE E7
-----F8
1234520M F1    1.576      REACTIVE E1
-----F8
1234521M F2    0.350      REACTIVE E0
-----F8
1234522M F3    0.171      REACTIVE E3
-----F8
1234523M F4                NO SAMPLEF0
-----F8
1234524M F5    0.208      REACTIVE EE
-----F8
1234525M G1    *ERROR      E*R*R*O*RFF
-----F8
1234526M G2    0.434      REACTIVE E3
-----F8
1234527M G3    0.268      REACTIVE EC
-----F8
1234528M G4    0.162      REACTIVE ED
-----F8
1234529M G5    0.160      REACTIVE EF

```

```

F8
*****D2
^      Welcome to the ABBOTT90
      PARALLEL PROCESSING CENTERD3
      10/14/97 14:48:27 V: 8CA1 SN: 000176987
      Copyright 1997 by ABBOTT LABORATORIES8B
*****D2
F8
F8
F8
F8
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^F8
      Date: 10/14/97 14:48:35 SN: 0001769CD
      ERROR 3.3.7 97
      Wells H1-H5 will be VOIDed9C
      Tray      159351EC
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^F8
F8
Reprocessed Trays After Restart:E1
      159351F2
F8
F8
F8
+-----+F8
|^      BATCH    INFO      ^|AA
+-----+F8
ASSAY # 74      NAME: EXAMPLE 7 POWER LOSS 9F
TECH ID: LRJ    LOT # 1593728640 TEST #51E5
DATE: 10/14/97      TIME: 14:30:04      F1
PPC SERIAL NUMBER 0001769      81
+-----+F8
| CUTOFF=( 1.000)NCX+( 0.000)PCX+ 0.050|FC
+-----+F8
      TRAY ID      SIZE      STATUS      FA
      -----
      159350M      20      BLANKS      85
      159351M      60      CONTROLS     8D
      15952M      60
F8
+-----+F8
|^ TRAY#      159351M ^|A2
| DATE: 10/14/97      TIME: 14:49:51 |FF
+-----+F8
F8
      WELL ABSORB      E5
      I.D.#      LOC.      DIFF      %CV      NOTES      E6
=====
^      CONTROLS ^EC
-----F8
NEGATIVE CONTROL      9C
-----F8
      A1      0.050      83
      A2      0.046      87
      A3      0.036      81
-----F8
      AVERAGE =      0.044      16.4      95
POSITIVE CONTROL      94
-----F8
      A4      0.566      86
      A5      0.585      8A
-----F8
      AVERAGE =      0.576      2.3      83

```



```

F8
POSITIVE - NEGATIVE =    0.532      EA
CUTOFF VALUE =    0.094      80
-----F8
F8
-----F8
^      SAMPLES^AD
-----F8
1234500M B1    0.178      REACTIVE EC
-----F8
1234501M B2    0.788      REACTIVE E7
-----F8
1234502M B3    0.826      REACTIVE EE
-----F8
1234503M B4    0.094      REACTIVE E9
-----F8
1234504M B5    1.164      REACTIVE E0
-----F8
1234505M C1    0.210      REACTIVE E5
-----F8
1234506M C2      VOID      E7
-----F8
1234507M C3    0.008      ...   FB
-----F8
1234508M C4    0.224      REACTIVE EA
-----F8
1234509M C5    *ERROR      E*R*R*O*RF1
-----F8
1234510M D1    0.137      REACTIVE E0
-----F8
1234511M D2    0.665      REACTIVE E2
-----F8
1234512M D3    0.545      REACTIVE E1
-----F8
1234513M D4    0.521      REACTIVE E5
-----F8
1234514M D5    0.512      REACTIVE E3
-----F8
1234515M E1    0.431      REACTIVE E7
-----F8
1234516M E2    0.024      ...   F2
-----F8
1234517M E3    0.317      REACTIVE E4
-----F8
1234518M E4    0.005      ...   F9
-----F8
1234519M E5    0.836      REACTIVE E4
-----F8
1234520M F1    1.579      REACTIVE EE
-----F8
1234521M F2    0.351      REACTIVE E1
-----F8
1234522M F3    0.170      REACTIVE E2
-----F8
1234523M F4      NO SAMPLEF0
-----F8
1234524M F5    0.209      REACTIVE EF
-----F8
1234525M G1    *ERROR      E*R*R*O*RFF
-----F8
1234526M G2    0.436      REACTIVE E1
-----F8
1234527M G3    0.271      REACTIVE E4
-----F8
1234528M G4    0.160      REACTIVE EF
-----F8

1234529M G5    0.161      REACTIVE EE
-----F8
1234530M H1      VOID      EA
-----F8
1234531M H2      VOID      E8
-----F8
1234532M H3      VOID      EA
-----F8
1234533M H4      VOID      EC
-----F8
1234534M H5      VOID      EA
J1      EMPTY      F6
-----F8
1234535M J2    0.006      ...   FC
-----F8
1234536M J3    0.145      REACTIVE ED
-----F8
1234537M J4    0.165      REACTIVE E9
-----F8
1234538M J5    0.231      REACTIVE E5
-----F8
1234539M K1    0.105      REACTIVE E5
-----F8
1234540M K2    0.042      ...   FF
-----F8
1234541M K3    0.127      REACTIVE E8
-----F8
1234542M K4    0.132      REACTIVE E8
-----F8
1234543M K5    1.390      REACTIVE E3
-----F8
1234544M L1    *ERROR      E*R*R*O*RF3
-----F8
1234545M L2    0.097      REACTIVE E0
-----F8
1234546M L3    0.303      REACTIVE EC
-----F8
1234547M L4    0.286      REACTIVE E6
-----F8
1234548M L5    0.226      REACTIVE E2
-----F8
1234549M M1    0.196      REACTIVE EE
-----F8
1234550M M2    0.547      REACTIVE ED
-----F8
1234551M M3    0.248      REACTIVE E5
-----F8
1234552M M4    0.117      REACTIVE E8
-----F8
1234553M M5    0.070      ...   FD
F8
+-----+F8
|^ TRAY#      15952M ^|B2
| DATE: 10/14/97      TIME: 14:53:36 |F5
+-----+F8
F8

I.D.#      WELL ABSORB      E5
LOC. DIFF      %CV      NOTES E6
===== == ===== =====F8
1234554M A1    0.064      ...   F7
-----F8
1234555M A2    0.073      ...   F3
-----F8
1234556M A3    0.205      REACTIVE E7
A4      EMPTY      F8
-----F8

```

1234557M A5	0.405	REACTIVE E6	1234590M H3	0.152	REACTIVE E5
-----F8			-----F8		
1234558M B1	0.287	REACTIVE E2	1234591M H4	0.446	REACTIVE E3
-----F8			-----F8		
1234559M B2	0.758	REACTIVE E7	1234592M H5	0.348	REACTIVE E8
-----F8			-----F8		
1234560M B3	0.761	REACTIVE E6	1234593M J1	0.010	... F4
-----F8			-----F8		
1234561M B4	0.203	REACTIVE E1	1234594M J2	0.332	REACTIVE E6
-----F8			-----F8		
1234562M B5	0.182	REACTIVE E9	1234595M J3	0.006	... F7
-----F8			-----F8		
1234563M C1	0.205	REACTIVE E1	1234596M J4	0.562	REACTIVE E1
-----F8			-----F8		
1234564M C2	0.377	REACTIVE E1	1234597M J5		NO SAMPLEF2
-----F8			-----F8		
1234565M C3	0.934	REACTIVE EC	1234598M K1	0.273	REACTIVE EC
-----F8			-----F8		
1234566M C4	0.105	REACTIVE E2	1234599M K2	0.084	... F1
-----F8			-----F8		
1234567M C5	0.120	REACTIVE E5	1234600M K3	0.319	REACTIVE E1
-----F8			-----F8		
1234568M D1	> 2.200	REACTIVE F4	1234601M K4	0.324	REACTIVE E9
-----F8			-----F8		
1234569M D2	0.142	REACTIVE EF	1234602M K5	0.552	REACTIVE EC
-----F8			-----F8		
1234570M D3		VOID E0	1234603M L1	0.017	... FF
-----F8			-----F8		
1234571M D4	0.987	REACTIVE E1	1234604M L2	0.347	REACTIVE E8
-----F8			-----F8		
1234572M D5	0.723	REACTIVE E3	1234605M L3	0.322	REACTIVE EB
-----F8			-----F8		
1234573M E1	0.262	REACTIVE E7	1234606M L4	0.209	REACTIVE E7
-----F8			-----F8		
1234574M E2	*ERROR	E*R*R*O*RFA	1234607M L5	0.306	REACTIVE E9
-----F8			-----F8		
1234575M E3	0.318	REACTIVE EF	1234608M M1	0.180	REACTIVE EF
-----F8			-----F8		
1234576M E4	0.273	REACTIVE E7	1234609M M2	0.395	REACTIVE EB
-----F8			-----F8		
1234577M E5	0.281	REACTIVE EA	1234610M M3	0.256	REACTIVE EC
-----F8			-----F8		
1234578M F1	0.228	REACTIVE E1	1234611M M4	0.380	REACTIVE E0
-----F8			-----F8		
1234579M F2	0.248	REACTIVE E5	1234612M M5	0.589	REACTIVE ED
-----F8			-----F8		
1234580M F3	0.272	REACTIVE EB	+-----+F8		
-----F8					
1234581M F4	0.359	REACTIVE E5	^ END OF BATCH ^ C2		
-----F8			DATE: 10/14/97 TIME: 14:55:13 F4		
1234582M F5	0.202	REACTIVE E8	+-----+F8		
-----F8					
1234583M G1	0.440	REACTIVE EC	F8		
-----F8			F8		
1234584M G2	0.579	REACTIVE E3	F8		
-----F8			F8		
1234585M G3	0.514	REACTIVE E8			
-----F8					
1234586M G4	0.342	REACTIVE E9			
-----F8					
1234587M G5	*ERROR	E*R*R*O*RF3			
-----F8					
1234588M H1	0.473	REACTIVE E8			
-----F8					
1234589M H2	0.345	REACTIVE E8			
-----F8					

8: Aberrant Control, OPD = Verified

file name: P9OUT8.TXT

```

+-----+F8
|^  BATCH  INFO  ^|AA
+-----+F8
ASSAY # 73  NAME: EXAMPLE 8 ABERRANT  F6
TECH ID: LRJ  LOT # 1234567890  TEST #51E5
DATE: 10/14/97  TIME: 11:42:19  FD
PPC SERIAL NUMBER 0001769  81
OPD Timing = Verified  88
Minimum Time = 30  Maximum Time = 35 E3
Sample ID Size = 20  E9
+-----+F8
| CUTOFF=( 1.000)NCX+( 0.000)PCX+ 0.050|FC
+-----+F8
      TRAY ID      SIZE      STATUS      FA
      -----
      81000M      20      BLANKS      97
      810001M     60      CONTROLS     8F
      81002M     60
F8
+-----+F8
|^ TRAY#      81000M ^|B1
| DATE: 10/14/97  TIME: 12:19:12 |FB
+-----+F8
F8
      WELL ABSORB      E5
      I.D.#  LOC.  DIFF      NOTES  F6
      =====
BLANK      A1    0.000      EC      E5
BLANK      A2   -0.002      E0
BLANK      A3    0.000      EE
BLANK      A4    0.000      E9
BLANK      A5    0.000      E8
      -----F8
      AVERAGE =      0.000      88
F8
+-----+F8
|^ TRAY#      810001M ^|A0
| DATE: 10/14/97  TIME: 12:20:00 |F2
+-----+F8
F8
      WELL ABSORB      E5
      I.D.#  LOC.  DIFF  %CV  NOTES  E6
      =====
^  CONTROLS ^EC
-----F8
NEGATIVE CONTROL      9C
      -----F8
      A1    0.089      87
      A2    0.069      8A
      A3    0.097      8A
      -----F8
      AVERAGE =      0.085  17.0      9D
POSITIVE CONTROL      94
      -----F8
      A4    0.416      80
      A5    0.091      8A
      B1    0.387      89
      -----F8
      AVERAGE =      0.298  60.4      97
      -----F8

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      RANGE = 0.149 TO 0.447      8A
      A5    0.091      ABERRANT 97
      -----F8
      A4    0.416      80
      B1    0.387      89
      -----F8
      AVERAGE =      0.402  5.1      84
F8
POSITIVE - NEGATIVE =      0.317      EB
CUTOFF VALUE =      0.135      8A
F8
POSITIVE-2 CONTROL      8B
      -----F8
      B2    0.784      8D
      B3    0.825      88
      -----F8
      AVERAGE =      0.805  3.6      8E
F8
POSITIVE-2 - NEGATIVE =      0.720      F4
      -----F8
F8
^  SAMPLES^AD
-----F8
      4423600EF
8146957300M B4    0.093      ...      EA
      -----F8
      4423600EF
8146957301M B5    1.156      REACTIVE F6
      -----F8
      4423600EF
8146957302M C1    0.206      REACTIVE F7
      -----F8
      4423600EF
8146957303M C2    0.180      REACTIVE F8
      -----F8
      4423600EF
8146957304M C3    0.144      REACTIVE F6
      -----F8
      4423600EF
8146957305M C4    0.226      REACTIVE F7
F8
      C5      EMPTY      FB
      -----F8
      4423600EF
8146957306M D1    0.136      REACTIVE F4
      -----F8
      4423600EF
8146957307M D2    0.667      REACTIVE F5
      -----F8
      4423600EF
8146957308M D3    0.545      REACTIVE F8
      -----F8
      4423600EF
8146957309M D4    0.522      REACTIVE FF
      -----F8
      4423600EF
8146957310M D5    0.509      REACTIVE FF
      -----F8
      4423600EF
8146957311M E1    0.429      REACTIVE F8
      -----F8
      4423600EF
8146957312M E2    0.026      ...      E6
      -----F8

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4423600EF									
8146957313M E3	0.314		REACTIVE	F1					
-----				F8					
4423600EF									
8146957314M E4	0.006		...	E4					
-----				F8					
4423600EF									
8146957315M E5	0.838		REACTIVE	F4					
-----				F8					
4423600EF									
8146957316M F1	1.582		REACTIVE	FD					
-----				F8					
4423600EF									
8146957317M F2	0.354		REACTIVE	F3					
-----				F8					
4423600EF									
8146957318M F3	0.172		REACTIVE	FB					
-----				F8					
4423600EF									
8146957319M F4	0.097		...	E2					
-----				F8					
4423600EF									
8146957320M F5	0.208		REACTIVE	F8					
-----				F8					
4423600EF									
8146957321M G1	*ERROR		E*R*R*O*RE	9					
-----				F8					
4423600EF									
8146957322M G2	0.435		REACTIVE	F4					
-----				F8					
4423600EF									
8146957323M G3	0.264		REACTIVE	F6					
-----				F8					
4423600EF									
8146957324M G4	0.160		REACTIVE	F1					
-----				F8					
4423600EF									
8146957325M G5	0.159		REACTIVE	FB					
-----				F8					
4423600EF									
8146957326M H1	0.366		REACTIVE	FD					
-----				F8					
4423600EF									
8146957327M H2			NO SAMPLE	EE					
-----				F8					
4423600EF									
8146957328M H3	0.257		REACTIVE	F2					
-----				F8					
4423600EF									
8146957329M H4	0.305		REACTIVE	F2					
-----				F8					
4423600EF									
8146957330M H5	0.304		REACTIVE	FA					
-----				F8					
4423600EF									
8146957331M J1	0.145		REACTIVE	FA					
-----				F8					
4423600EF									
8146957332M J2	0.007		...	E8					
-----				F8					
4423600EF									
8146957333M J3	0.143		REACTIVE	FC					
-----				F8					
4423600EF									
8146957334M J4	0.157		REACTIVE	F9					
-----				F8					
4423600EF									
8146957335M J5	0.215		REACTIVE	FC					
-----				F8					
4423600EF									
8146957336M K1	0.104		...	EC					
-----				F8					
4423600EF									
8146957337M K2	0.042		...	ED					
-----				F8					
4423600EF									
8146957338M K3	0.126		...	E0					
-----				F8					
4423600EF									
8146957339M K4	0.130		...	E1					
-----				F8					
4423600EF									
8146957340M K5	1.397		REACTIVE	F5					
-----				F8					
4423600EF									
8146957341M L1	*ERROR		E*R*R*O*RE	4					
-----				F8					
4423600EF									
8146957342M L2	0.097		...	E0					
-----				F8					
4423600EF									
8146957343M L3	0.299		REACTIVE	F9					
-----				F8					
4423600EF									
8146957344M L4	0.274		REACTIVE	FA					
-----				F8					
4423600EF									
8146957345M L5			VOID	FA					
-----				F8					
4423600EF									
8146957346M M1	0.184		REACTIVE	F0					
-----				F8					
4423600EF									
8146957347M M2	0.539		REACTIVE	F0					
-----				F8					
4423600EF									
8146957348M M3	0.246		REACTIVE	F1					
-----				F8					
4423600EF									
8146957349M M4	0.117		...	E5					
-----				F8					
4423600EF									
8146957350M M5	0.068		...	E5					
-----				F8					
+									+F8
^ TRAY#	81002M	^ B3							
DATE: 10/14/97		TIME: 12:23:19							F9
+									+F8
F8									
		WELL ABSORB							E5
I.D.#	LOC.	DIFF	%CV	NOTES					E6
=====	==	=====	=====	=====					F8
-----									F8
4423600EF									
8146957351M A1	0.063		...	E7					
-----				F8					
4423600EF									
8146957352M A2	0.072		...	E7					
-----				F8					
4423600EF									
8146957353M A3	0.205		REACTIVE	F0					
-----				F8					

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      4423600EF
8146957354M A4    0.194          REACTIVE FB
-----F8

      4423600EF
8146957355M A5    0.402          REACTIVE F1
-----F8

      4423600EF
8146957356M B1    0.285          REACTIVE FC
-----F8

      4423600EF
8146957357M B2    0.748          REACTIVE FA
-----F8

      4423600EF
8146957358M B3    0.766          REACTIVE F8
-----F8

      4423600EF
8146957359M B4          VOID      F8
-----F8

      4423600EF
8146957360M B5    0.174          REACTIVE F0
-----F8

      4423600EF
8146957361M C1    0.205          REACTIVE F1
-----F8

      4423600EF
8146957362M C2    0.386          REACTIVE FB
-----F8

      4423600EF
8146957363M C3    0.935          REACTIVE F9
-----F8

      4423600EF
8146957364M C4    0.108          ...   EA
-----F8

      4423600EF
8146957365M C5    0.118          ...   EB
-----F8

      4423600EF
8146957366M D1 > 2.200          REACTIVE E8
-----F8

      4423600EF
8146957367M D2    0.143          REACTIVE F2
-----F8

      4423600EF
8146957368M D3    0.147          REACTIVE F8
-----F8

      4423600EF
8146957369M D4    0.976          REACTIVE F4
-----F8

      4423600EF
8146957370M D5    0.724          REACTIVE F4
-----F8

      4423600EF
8146957371M E1    0.260          REACTIVE F5
-----F8

      4423600EF
8146957372M E2    *ERROR          E*R*R*O*REE
-----F8

      4423600EF
8146957373M E3    0.314          REACTIVE F7
-----F8

      4423600EF
8146957374M E4    0.269          REACTIVE FC
-----F8

      4423600EF
8146957375M E5    0.278          REACTIVE FC
-----F8

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      4423600EF
8146957376M F1    0.230          REACTIVE F4
-----F8

      4423600EF
8146957377M F2    0.242          REACTIVE F3
F8
          F3          EMPTY      F8
-----F8

      4423600EF
8146957378M F4    0.362          REACTIVE F9
-----F8

      4423600EF
8146957379M F5    0.201          REACTIVE FD
-----F8

      4423600EF
8146957380M G1    0.443          REACTIVE FE
-----F8

      4423600EF
8146957381M G2    0.579          REACTIVE F4
-----F8

      4423600EF
8146957382M G3    0.515          REACTIVE FC
-----F8

      4423600EF
8146957383M G4    0.345          REACTIVE F9
-----F8

      4423600EF
8146957384M G5    *ERROR          E*R*R*O*RE2
-----F8

      4423600EF
8146957385M H1    0.475          REACTIVE F1
-----F8

      4423600EF
8146957386M H2    0.342          REACTIVE F2
-----F8

      4423600EF
8146957387M H3    0.150          REACTIVE F3
-----F8

      4423600EF
8146957388M H4          NO SAMPLEED
-----F8

      4423600EF
8146957389M H5    0.344          REACTIVE FC
-----F8

      4423600EF
8146957390M J1    0.011          ...   E4
-----F8

      4423600EF
8146957391M J2    0.325          REACTIVE F7
-----F8

      4423600EF
8146957392M J3    0.006          ...   E2
-----F8

      4423600EF
8146957393M J4    0.559          REACTIVE FE
-----F8

      4423600EF
8146957394M J5    0.388          REACTIVE F2
-----F8

      4423600EF
8146957395M K1    0.270          OPD TIME 85
-----F8

      4423600EF
8146957396M K2    0.085          OPD TIME 8D
-----F8

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```

4423600EF
8146957397M K3      0.316          OPD TIME 84
-----F8
4423600EF
8146957398M K4      0.326          OPD TIME 8F
-----F8
4423600EF
8146957399M K5      0.551          OPD TIME 89
-----F8
4423600EF
8146957400M L1      0.016          OPD TIME 8B
-----F8
4423600EF
8146957401M L2      0.340          OPD TIME 89
-----F8
4423600EF
8146957402M L3      0.316          OPD TIME 88
-----F8
4423600EF
8146957403M L4      0.209          OPD TIME 81
-----F8
4423600EF
8146957404M L5      0.306          OPD TIME 89
-----F8
4423600EF
8146957405M M1      0.176          OPD TIME 88
-----F8
4423600EF
8146957406M M2      0.395          OPD TIME 87
-----F8
4423600EF
8146957407M M3      0.254          OPD TIME 8B
-----F8
4423600EF
8146957408M M4      0.387          OPD TIME 8C
-----F8
4423600EF
8146957409M M5      0.589          OPD TIME 84
-----F8
Row K incubation time=37 Exceeds limit C7
Row L incubation time=37 Exceeds limit C0
Row M incubation time=37 Exceeds limit C1
-----F8
|^  END OF BATCH      ^|C2
|  DATE: 10/14/97      TIME: 12:32:16 |F6
-----F8
F8
F8
F8
F8
```

9: Invalid Controls,
Replicate Samples,
TPC = Off

file name: P9OUT9.TXT

```

+-----+F8
|^  BATCH  INFO      ^|AA
+-----+F8
ASSAY # 72  NAME: EXAMPLE 9  EB
TECH ID: LRJ  LOT # 1234567890  TEST #51E5
DATE: 10/13/97  TIME: 18:00:13  FF
PPC SERIAL NUMBER 0001769  81
+-----+F8
|  CUTOFF=( 1.000)NCX+( 0.000)PCX+ 0.050|FC
+-----+F8
      TRAY ID      SIZE      STATUS      FA
      -----
      00001M      20      BLANKS      9F
      11111M      60      CONTROLS      96
F8
+-----+F8
|^  TRAY#      00001M ^|B9
|  DATE: 10/13/97      TIME: 18:09:08 |FC
+-----+F8
F8
      WELL ABSORB      E5
      I.D.#  LOC.  DIFF      NOTES  F6
      =====
BLANK      A1      0.000      EC
BLANK      A2      0.000      EF
BLANK      A3      0.000      EE
BLANK      A4      0.000      E9
BLANK      A5      0.000      E8
      -----F8
      AVERAGE =      0.000      88
F8
+-----+F8
|^  TRAY#      11111M ^|B9
|  DATE: 10/13/97      TIME: 18:10:14 |F9
+-----+F8
F8
      WELL ABSORB      E5
      I.D.#  LOC.  DIFF      %CV      NOTES  E6
      =====
      -----F8
      ^  CONTROLS ^EC
      -----F8
NEGATIVE CONTROL      9C
      -----F8
      A1      0.090      8F
      A2      0.067      84
      A3      0.097      8A
      A4      0.130      REJECT  8E
      -----F8
      AVERAGE =      0.085  18.5      97
POSITIVE CONTROL      94
      -----F8
      A5      0.412      REJECT  8A
      B1      0.434      REJECT  89
      B2      0.812      8D
      B3      0.839      85
      -----F8
      AVERAGE =      0.826  2.3      8B
```

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F8
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^F8
Date: 10/13/97 18:10:32 SN: 0001769CC
ERROR 2.1.1.34 BB
Insufficient Controls to do cutoff -E1
No flagging will be done.E5
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^F8
-----F8
^      SAMPLES^AD
-----F8
4560M B4 0.090 OD ONLY! FD
4560M B5 1.163 OD ONLY! F0
4560M C1 0.217 OD ONLY! F4
-----F8
4561M C2 VOID F6
4561M C3 0.137 OD ONLY! F6
4561M C4 0.234 OD ONLY! F1
-----F8
4562M C5 *ERROR OD ONLY! 8A
D1 EMPTY F8
4562M D2 0.683 OD ONLY! FB
4562M D3 0.533 OD ONLY! F2
-----F8
4563M D4 0.496 OD ONLY! FA
4563M D5 0.510 OD ONLY! F4
4563M E1 0.418 OD ONLY! F8
-----F8
4564M E2 0.026 OD ONLY! F5
4564M E3 0.315 OD ONLY! F7
4564M E4 0.009 OD ONLY! FE
-----F8
4565M E5 0.813 OD ONLY! FD
4565M F1 1.555 OD ONLY! F4
4565M F2 0.360 OD ONLY! F6
-----F8
4566M F3 0.169 OD ONLY! FF
4566M F4 0.098 OD ONLY! F7
4566M F5 0.214 OD ONLY! F0
-----F8
4567M G1 *ERROR OD ONLY! 8F
4567M G2 NO SAMPLEE7
4567M G3 0.256 OD ONLY! F0
-----F8
4568M G4 0.157 OD ONLY! FA
4568M G5 0.155 OD ONLY! F9
4568M H1 0.228 OD ONLY! FB
-----F8
4569M H2 0.272 OD ONLY! F6
4569M H3 0.247 OD ONLY! F1
4569M H4 0.292 OD ONLY! FE
-----F8
4570M H5 0.307 OD ONLY! FA
4570M J1 0.141 OD ONLY! FC
4570M J2 0.007 OD ONLY! FC
-----F8
4571M J3 0.137 OD ONLY! FE
4571M J4 0.152 OD ONLY! FA
4571M J5 0.204 OD ONLY! FB
-----F8
4572M K1 0.098 OD ONLY! FA
4572M K2 0.037 OD ONLY! FC
4572M K3 0.127 OD ONLY! FD
-----F8
4573M K4 0.135 OD ONLY! F8
4573M K5 1.421 OD ONLY! F8
4573M L1 *ERROR OD ONLY! 81
-----F8
4574M L2 0.098 OD ONLY! F8
4574M L3 0.307 OD ONLY! FC
4574M L4 0.270 OD ONLY! FA
-----F8
4575M L5 0.214 OD ONLY! F8
4575M M1 0.173 OD ONLY! FF
4575M M2 0.541 OD ONLY! F9
-----F8
4576M M3 0.249 OD ONLY! F4
4576M M4 0.116 OD ONLY! FA
4576M M5 0.071 OD ONLY! FB
+-----+F8
|^ END OF BATCH ^|C2
| DATE: 10/13/97 TIME: 18:12:22 |FE
+-----+F8
F8
F8
F8
F8

```

10: Valid Control, Replicate Sample, Batch Abort Trailer

file name: P9OUT10.TXT

```

F8
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^F8
Date: 10/13/97 17:17:51 SN: 0001769C1
ERROR 3.3.7.1 88
INVALID READINGS IN TRAY 55555A4
WELLS VOIDED8C
M580
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^F8
+-----+F8
| ^ BATCH INFO ^|AA
+-----+F8
ASSAY # 71 NAME: EXAMPLE 10 F0
TECH ID: LRJ LOT # 12356M4000 TEST #519E
DATE: 10/13/97 TIME: 17:01:25 F4
PPC SERIAL NUMBER 0001769 81
+-----+F8
| CUTOFF=( 1.000)NCX+( 0.000)PCX+ 0.050|FC
+-----+F8
TRAY ID SIZE STATUS FA
-----
00005M 20 BLANKS 9B
55555M 60 CONTROLS 92
66666M 60 85
F8
+-----+F8
| ^ TRAY# 00005M ^|BD
| DATE: 10/13/97 TIME: 17:20:47 |F3
+-----+F8
F8
WELL ABSORB E5
I.D.# LOC. DIFF NOTES F6
=====
BLANK A1 -0.001 E0
BLANK A2 0.000 EF
BLANK A3 0.000 EE
BLANK A4 0.000 E9
BLANK A5 0.000 E8
-----F8
AVERAGE = 0.000 88
F8
+-----+F8
| ^ TRAY# 55555M ^|BD
| DATE: 10/13/97 TIME: 17:22:02 |F0
+-----+F8
F8
WELL ABSORB E5
I.D.# LOC. DIFF %CV NOTES E6
=====
^ CONTROLS ^EC
-----F8
NEGATIVE CONTROL 9C
-----F8
A1 0.030 85
A2 0.029 8E
A3 0.024 82
A4 0.022 83
-----F8
AVERAGE = 0.026 14.7 90

```

```

POSITIVE CONTROL 94
-----F8
A5 0.413 84
B1 0.435 87
B2 0.360 83
B3 0.377 84
-----F8
AVERAGE = 0.396 8.6 84
F8
POSITIVE - NEGATIVE = 0.370 EA
CUTOFF VALUE = 0.076 8C
-----F8
F8
-----F8
^ SAMPLES^AD
-----F8
11111M B4 0.091 REACTIVE EF
11111M B5 0.224 REACTIVE E2
11111M C1 0.219 REACTIVE E9
-----F8
AVERAGE = 0.178 42.4% REACTIVE 84
-----F8
11112M C2 VOID E2
11112M C3 0.001 ... F6
11112M C4 0.235 REACTIVE E1
-----F8
11113M C5 *ERROR E*R*R*O*RFA
D1 EMPTY F8
11113M D2 0.677 REACTIVE E3
11113M D3 0.537 REACTIVE E5
-----F8
11114M D4 0.499 REACTIVE E0
11114M D5 0.511 REACTIVE E0
11114M E1 0.419 REACTIVE EC
-----F8
AVERAGE = 0.476 10.5% REACTIVE 89
-----F8
11115M E2 0.027 ... F2
11115M E3 0.316 REACTIVE E7
11115M E4 1.409 REACTIVE E8
-----F8
AVERAGE = 0.584 124.8% REACTIVE 9E
-----F8
11116M E5 0.821 REACTIVE ED
11116M F1 1.547 REACTIVE E6
11116M F2 0.360 REACTIVE E7
-----F8
AVERAGE = 0.909 65.8% REACTIVE 83
-----F8
11117M F3 0.172 REACTIVE E6
11117M F4 0.098 REACTIVE E4
11117M F5 0.214 REACTIVE E3
-----F8
AVERAGE = 0.161 36.4% REACTIVE 8F
-----F8
11118M G1 *ERROR E*R*R*O*RFA
11118M G2 NO SAMPLEFF
11118M G3 0.257 REACTIVE EC
-----F8
11119M G4 0.154 REACTIVE EA
11119M G5 0.156 REACTIVE E9
11119M H1 0.231 REACTIVE E0
-----F8
AVERAGE = 0.180 24.3% REACTIVE 84
-----F8

```



```

11120M H2 0.271 REACTIVE ED
11120M H3 0.249 REACTIVE E7
11120M H4 0.291 REACTIVE E5
-----F8
AVERAGE = 0.270 7.8% REACTIVE 92
-----F8
11121M H5 0.309 REACTIVE E5
11121M J1 0.143 REACTIVE EF
11121M J2 0.006 ... F9
-----F8
AVERAGE = 0.153 99.4% REACTIVE 8B
-----F8
11122M J3 0.139 REACTIVE E3
11122M J4 0.149 REACTIVE E3
11122M J5 0.207 REACTIVE EB
-----F8
AVERAGE = 0.165 22.3% REACTIVE 89
-----F8
11123M K1 0.098 REACTIVE EB
11123M K2 0.034 ... FB
11123M K3 0.129 REACTIVE E2
-----F8
AVERAGE = 0.087 55.7% REACTIVE 80
-----F8
11124M K4 0.135 REACTIVE EF
11124M K5 1.413 REACTIVE EE
11124M L1 *ERROR E*R*R*O*RF5
-----F8
11125M L2 0.098 REACTIVE E9
11125M L3 0.310 REACTIVE EB
11125M L4 0.270 REACTIVE EB
-----F8
AVERAGE = 0.226 49.8% REACTIVE 8B
-----F8
11126M L5 0.214 REACTIVE EB
11126M M1 0.172 REACTIVE ED
11126M M2 0.558 REACTIVE E2
-----F8
AVERAGE = 0.315 67.3% REACTIVE 8D
M3 EMPTY F3
-----F8
11127M M4 0.139 REACTIVE E6
11127M M5 VOID ED
F8
*****F8
Date: 10/13/97 17:24:44 SN: 0001769C5
Status: 0009FF
Tray Voided: 66666FF
*****F8
|^ BATCH ABORTED ^|CF
-----F8
|^ END OF BATCH ^|C2
| DATE: 10/13/97 TIME: 17:24:47 |F7
+-----F8
F8
F8
F8
F8

```

11: TPC = Off, Single Control Replicate

file name: P9OUT11.TXT

```

+-----+F8
|^ BATCH INFO ^|AA
+-----+F8
ASSAY # 70 NAME: EXAMPLE 11 N1 P1 EE
TECH ID: LRJ LOT # 25698M0001 TEST #549D
DATE: 10/13/97 TIME: 14:47:19 FA
PPC SERIAL NUMBER 0001769 81
Sample ID Size = 20 E9
+-----+F8
| CUTOFF=( 0.400)NCX+( 0.600)PCX+ 0.000|FA
+-----+F8
TRAY ID SIZE STATUS FA
-----F5
71111M 20 BLANKS 99
78987M 20 ARCHIVED 88
F8
+-----+F8
|^ TRAY# 71111M ^|BF
| DATE: 10/13/97 TIME: 15:05:22 |F5
+-----+F8
F8
WELL ABSORB E5
I.D.# LOC. DIFF NOTES F6
=====
BLANK A1 0.001 ED
BLANK A2 0.001 EE
BLANK A3 0.000 EE
BLANK A4 0.001 E8
BLANK A5 0.000 E8
-----F8
AVERAGE = 0.001 89
F8
+-----+F8
|^ TRAY# 78987M ^|B1
| DATE: 10/13/97 TIME: 15:05:40 |F1
+-----+F8
F8
WELL ABSORB E5
I.D.# LOC. DIFF %CV NOTES E6
=====
^ CONTROLS ^EC
-----F8
NEGATIVE CONTROL 9C
-----F8
A1 0.611 80
-----F8
AVERAGE = 0.611 0.0 80
POSITIVE CONTROL 94
-----F8
A2 0.021 86
-----F8
AVERAGE = 0.021 0.0 85
F8
POSITIVE - NEGATIVE = -0.590 EF
CUTOFF VALUE = 0.257 8D
-----F8

```

```

F8
F8
      A3              EMPTY      FF
-----F8
^    SAMPLES^AD
-----F8
      F8
      1111M A4              NO SAMPLEE7
-----F8
      F8
      1112M A5              VOID      F6
-----F8
      F8
      1113M B1    0.202              REACTIVE F1
-----F8
      F8
      1114M B2    0.253              REACTIVE F1
-----F8
      F8
      1115M B3    0.270              ...    E5
-----F8
      F8
      1116M B4    0.503              ...    E2
-----F8
      F8
      1117M B5    0.329              ...    EC
-----F8
      F8
      1118M C1    0.177              REACTIVE FA
-----F8
      F8
      1119M C2    0.176              REACTIVE F9
-----F8
      F8
      1120M C3    0.084              REACTIVE FE
-----F8
      F8
      1121M C4    0.155              REACTIVE F5
-----F8
      F8
      1122M C5    0.974              ...    E9
-----F8
      F8
      1123M D1    0.288              ...    E3
-----F8
      F8
      1124M D2    0.770              ...    E5
-----F8
      F8
      1125M D3    0.293              ...    ED
-----F8
      F8
      1126M D4    0.582              ...    EE
-----F8
      F8
      1127M D5    0.219              REACTIVE FE
-----F8
+-----+F8
|^  END OF BATCH      ^|C2
|  DATE: 10/13/97      TIME: 15:06:10 |F7
+-----+F8
F8
F8
F8
F8

```

12: Positive-3 Controls, TPC = Off, OPD = Verify

file name: P9OUT12.TXT

```

+-----+F8
|^  BATCH  INFO      ^|AA
+-----+F8
ASSAY # 79      NAME: EXAMPLE 12      FA
TECH ID: LRJ  LOT # 43758M2000  TEST #909B
DATE: 10/15/97      TIME: 17:15:17      F6
PPC SERIAL NUMBER 0001769      81
OPD Timing = Verified      88
Minimum Time = 28      Maximum Time = 32 ED
Sample ID Size = 20      E9
+-----+F8
|  CUTOFF=( 1.000)NCX+( 0.000)PCX+ 0.100|F8
+-----+F8
      TRAY ID      SIZE      STATUS      FA
      -----
      96500M      20      BLANKS      94
      9654739M      60      CONTROLS      94
F8
+-----+F8
|^  TRAY#      96500M ^|B2
|  DATE: 10/15/97      TIME: 17:59:18 |F1
+-----+F8
F8
      WELL ABSORB      E5
      I.D.#      LOC.  DIFF      NOTES F6
      =====
BLANK      A1      0.000      EC
BLANK      A2      0.000      EF
BLANK      A3      -0.001      E2
BLANK      A4      0.000      E9
BLANK      A5      -0.001      E4
      -----F8
      AVERAGE =      0.000      88
F8
+-----+F8
|^  TRAY#      9654739M ^|BB
|  DATE: 10/15/97      TIME: 18:00:25 |FC
+-----+F8
F8
      WELL ABSORB      E5
      I.D.#      LOC.  DIFF      %CV      NOTES E6
      =====
^  CONTROLS ^EC
-----F8
NEGATIVE CONTROL      9C
      -----F8
      A1      0.086      88
      A2      0.074      86
      A3      0.069      8B
      -----F8
      AVERAGE =      0.076      11.4      93
POSITIVE CONTROL      94
      -----F8
      A4      1.129      88
      A5      1.233      81
      -----F8
      AVERAGE =      1.181      6.2      8B
F8

```

POSITIVE - NEGATIVE =	1.105	EB	7568249310F9				
CUTOFF VALUE =	0.176	8D	8324957308M E4	0.089	...	E8	
F8			-----			F8	
POSITIVE-2 CONTROL		8B	7568249310F9				
		F8	8324957309M E5	0.090	...	E0	
	B1 1.062	80	-----			F8	
	B2 1.504	86	7568249310F9				
	-----	F8	8324957310M F1	0.096	...	E9	
AVERAGE =	1.283 24.4	9C	-----			F8	
F8			7568249310F9				
POSITIVE-2 - NEGATIVE =	1.207	F5	8324957311M F2	0.450	REACTIVE	F0	
F8			-----			F8	
POSITIVE-3 CONTROL		8A	7568249310F9				
		F8	8324957312M F3	0.057	...	E4	
	B3 1.080	8E	-----			F8	
	B4 1.448	89	7568249310F9				
	-----	F8	8324957313M F4	0.151	...	E5	
AVERAGE =	1.264 20.6	93	-----			F8	
F8			7568249310F9				
POSITIVE-3 - NEGATIVE =	1.188	F0	8324957314M F5	0.014	...	E3	
-----		F8	F8				
F8			G1		EMPTY	FB	
-----		F8	-----			F8	
^ SAMPLES^AD			7568249310F9				
-----		F8	8324957315M G2	0.077	...	E1	
7568249310F9			-----			F8	
8324957294M B5	0.067	...	EA				
-----		F8	7568249310F9				
7568249310F9			8324957316M G3	0.064	...	E1	
8324957295M C1	0.051	...	EB				
-----		F8	7568249310F9				
7568249310F9			8324957317M G4	0.055	...	E5	
8324957296M C2	0.041	...	EA				
-----		F8	7568249310F9				
7568249310F9			8324957318M G5	0.124	...	EC	
8324957297M C3	0.043	...	E8				
-----		F8	7568249310F9				
7568249310F9			8324957319M H1	0.073	...	E5	
8324957298M C4	0.042	...	E1				
-----		F8	7568249310F9				
7568249310F9			8324957320M H2	> 2.200	REACTIVE	E3	
8324957299M C5	0.068	...	E9				
-----		F8	7568249310F9				
7568249310F9			8324957321M H3	0.159	...	E5	
8324957300M D1	0.042	...	E3				
-----		F8	7568249310F9				
7568249310F9			8324957322M H4	0.062	...	E8	
8324957301M D2	0.082	...	ED				
-----		F8	7568249310F9				
7568249310F9			8324957323M H5	0.144	...	ED	
8324957302M D3	0.125	...	E3				
-----		F8	7568249310F9				
7568249310F9			8324957324M J1	0.058	...	E0	
8324957303M D4	0.095	...	EF				
-----		F8	7568249310F9				
7568249310F9			8324957325M J2	0.049	...	E2	
8324957304M D5		VOID	F1				
-----		F8	7568249310F9				
7568249310F9			8324957326M J3	0.080	...	E5	
8324957305M E1	0.012	...	E2				
-----		F8	7568249310F9				
7568249310F9			8324957327M J4	*ERROR	E*R*R*O*RE1		
8324957306M E2	0.054	...	E0				
-----		F8	7568249310F9				
7568249310F9			8324957328M J5	0.060	...	E3	
8324957307M E3	*ERROR	E*R*R*O*REB					
-----		F8	-----			F8	

```

7568249310F9
8324957329M K1    0.064      ...    E3
-----F8
7568249310F9
8324957330M K2    0.089      ...    EB
-----F8
7568249310F9
8324957331M K3              NO SAMPLEED
-----F8
7568249310F9
8324957332M K4    0.064      ...    EC
-----F8
7568249310F9
8324957333M K5    0.091      ...    E6
-----F8
7568249310F9
8324957334M L1    0.057      ...    E8
-----F8
7568249310F9
8324957335M L2    0.056      ...    EB
-----F8
7568249310F9
8324957336M L3    0.017      ...    EC
-----F8
7568249310F9
8324957337M L4    0.377      REACTIVE FA
-----F8
7568249310F9
8324957338M L5    0.464      REACTIVE F1
-----F8
7568249310F9
8324957339M M1    0.145      ...    E6
-----F8
7568249310F9
8324957340M M2    0.157      ...    E8
-----F8
7568249310F9
8324957341M M3    0.129      ...    E1
-----F8
7568249310F9
8324957342M M4    0.076      ...    EE
-----F8
7568249310F9
8324957343M M5    0.075      ...    ED
-----F8
+-----F8
|^  END OF BATCH      ^|C2
|  DATE: 10/15/97      TIME: 18:02:05 |FC
+-----F8
F8
F8
F8
F8

```

13: Positive-3 Controls, Invalid Controls, TPC = Verify

file name: P9OUT13.TXT

```

+-----F8
|^  BATCH  INFO      ^|AA
+-----F8
ASSAY # 80      NAME: EXAMPLE 13      FD
LIST #-PROCEDURE: 9999-XX      8E
TECH ID 1: LRJLRJ      E4
TECH ID 2:      E7
TECH ID OPD:      8E
TECH ID ACID:      FA
TPC MODE = VERIFY      96
PPC SERIAL NUMBER 0001769      81
PPC VERSION NUMBER 8CA1      E9
DATE: 10/15/97      TIME: 17:05:54      F0
+-----F8
| CUTOFF=( 1.000)NCX+( 0.000)PCX+ 0.100|F8
+-----F8
      TRAY ID      SIZE      STATUS      FA
      -----
      563000M      20      BLANKS      8E
      9654744M      60      CONTROLS      9E
F8
TPC INFORMATION:      E9
=====      F8
      F8
TYPE EXPIRATION      LOT#      DEV.      E6
-----F8
ML 12/25/97      708937M500B      EB
RCJ1 12/25/97      70893M5005M      8D
OPD 12/25/97-00:00:01      213358M      E6
ACID 12/25/97      456ACIDM      88
F8
+-----F8
|^  TRAY#      563000M ^|A8
|TPC INFORMATION:      |E9
|      |F8
|TYPE EXPIRATION      LOT#      DEV.      |E6
|-----F5
|BKBD      *06*      |F1
|      |F8
|  DATE: 10/15/97      TIME: 17:18:23      |FC
+-----F8
F8
      WELL ABSORB      E5
      I.D.#      LOC.      DIFF      NOTES      F6
===== == =====
BLANK      A1      0.001      ED
BLANK      A2      0.000      EF
BLANK      A3      0.001      EF
BLANK      A4      0.000      E9
BLANK      A5      0.000      E8
-----F8
      AVERAGE =      0.000      88
F8

```

```

+-----+F8
^ TRAY#      9654744M ^|B1
TPC INFORMATION: |E9
|               |F8
| TYPE EXPIRATION      LOT#      DEV. |E6
|-----|F5
| NCN1 12/25/97      708937M501B |99
| PCN1 12/25/97      708937M502B |84
| PCN2 12/25/97      708937M503B |86
| PCN3 12/25/97      708937M504B |80
| BEAD 12/25/97      708937M506M |E1
| PIPETTOR SERIAL NUMBER      Pip SN |9E
| PIPETTOR VERSION NUMBER      2.5   |99
| PIPETTOR TECH ID: FPCTID      |E8
|               |F8
| DATE: 10/15/97      TIME: 17:19:35 |FA
+-----+F8
F8
      WELL ABSORB      E5
      I.D.#      LOC.  DIFF      %CV      NOTES E6
===== == ===== =====F8
-----F8
^      CONTROLS ^EC
-----F8
NEGATIVE CONTROL      9C
-----F8
      A1      0.084      8A
      A2      0.072      80
      A3      0.068      8A
      -----F8
      AVERAGE =      0.075      11.2      96
POSITIVE CONTROL      94
-----F8
      A4      0.033      REJECT      8C
      A5      0.034      REJECT      8A
F8
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^F8
Date: 10/15/97 17:19:43 SN: 0001769CA
ERROR 2.1.1.34 BB
Insufficient Controls to do cutoff -E1
No flagging will be done.E5
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^F8
POSITIVE-2 CONTROL      8B
-----F8
      B1      1.048      88
      B2      1.480      8B
      -----F8
      AVERAGE =      1.264      24.2      93
POSITIVE-3 CONTROL      8A
-----F8
      B3      1.074      85
      B4      1.446      87
      -----F8
      AVERAGE =      1.260      20.9      98
-----F8
^      SAMPLES^AD
-----F8
      B5      0.065      OD ONLY! 9C
-----F8
      C1      0.049      OD ONLY! 97
-----F8
      C2      0.041      OD ONLY! 9C
-----F8
      C3      0.041      OD ONLY! 9D
-----F8
      C4      0.040      OD ONLY! 9B
-----F8
      C5      0.065      OD ONLY! 9D
-----F8
      D1      0.040      OD ONLY! 99
-----F8
      D2      0.080      OD ONLY! 96
      D3      EMPTY      FA
-----F8
      D4      0.094      OD ONLY! 95
-----F8
      D5      0.152      OD ONLY! 9F
-----F8
      E1      0.013      OD ONLY! 9E
-----F8
      E2      0.052      OD ONLY! 98
-----F8
      E3      *ERROR      OD ONLY! E2
-----F8
      E4      0.088      OD ONLY! 99
-----F8
      E5      0.090      OD ONLY! 91
-----F8
      F1      0.094      OD ONLY! 92
-----F8
      F2      0.448      OD ONLY! 94
-----F8
      F3      0.054      OD ONLY! 9C
-----F8
      F4      0.145      OD ONLY! 9A
-----F8
      F5      VOID      9F
-----F8
      G1      0.089      OD ONLY! 9F
-----F8
      G2      0.077      OD ONLY! 9D
-----F8
      G3      0.061      OD ONLY! 9B
-----F8
      G4      0.052      OD ONLY! 9C
-----F8
      G5      0.126      OD ONLY! 9F
-----F8
      H1      0.069      OD ONLY! 9E
-----F8
      H2 > 2.200      OD ONLY! 8C
-----F8
      H3      0.160      OD ONLY! 94
-----F8
      H4      0.058      OD ONLY! 99
-----F8
      H5      0.142      OD ONLY! 92
-----F8
      J1      0.053      OD ONLY! 95
-----F8
      J2      0.048      OD ONLY! 9C
-----F8
      J3      0.078      OD ONLY! 9E
-----F8
      J4      *ERROR      OD ONLY! EA
-----F8
      J5      0.057      OD ONLY! 95
-----F8
      K1      0.063      OD ONLY! 97
-----F8
      K2      0.088      OD ONLY! 91
-----F8
      K3      0.134      OD ONLY! 96
-----F8

```

```

      K4    0.059      OD ONLY! 9B
-----F8
      K5    0.089      OD ONLY! 97
-----F8
      L1    0.053      OD ONLY! 93
-----F8
      L2              NO SAMPLE81
-----F8
      L3    0.016      OD ONLY! 90
-----F8
      L4    0.379      OD ONLY! 9D
-----F8
      L5    0.459      OD ONLY! 99
-----F8
      M1    0.142      OD ONLY! 93
-----F8
      M2    0.150      OD ONLY! 93
-----F8
      M3    0.121      OD ONLY! 94
-----F8
      M4    0.073      OD ONLY! 95
-----F8
      M5    0.074      OD ONLY! 93
-----+F8
|^  END OF BATCH      ^|C2
|  DATE: 10/15/97    TIME: 17:21:41 |F2
+-----+F8
F8
F8
F8
F8
```

Point-to-Point Data Reduction Examples

**P1: Point-to-Point,
OPD = Verified,
20-Character Sample IDs,
TPC = Off**

file name: P9OUTP1.TXT

```

+-----+
+F8
|^      BATCH  INFO      ^|AA
+-----+
+F8
ASSAY # 63   NAME: SAMPLE PT2PT VERIFY  99
TECH ID: LRJ  LOT # 1234567890  TEST #74E2
DATE: 10/13/97      TIME: 13:34:49      FC
PPC SERIAL NUMBER 0001769                81
OPD Timing = Verified                      88
Minimum Time = 28      Maximum Time = 32 ED
Sample ID Size = 20                        E9
+-----+
F8
          9500001M      60      STANDARDS      E6
          9500002M      60                        8D
+-----+
+F8
|^ TRAY#      9500001M ^|B5
| DATE: 10/13/97      TIME: 14:31:37 |F7
+-----+
+F8
F8
          WELL ABSORB      CONC.      EA
          I.D.#      LOC.  DIFF      %CV      mIU/mL  FA
=====
E5
+-----+
F8
^      STANDARDS      ^90
+-----+
F8
STANDARD #1 - CONCENTRATION = 0.000  9E
+-----+
F8
          A1      0.066                86
          A2      0.077                85
          -----
          AVERAGE = 0.072  10.9%      9E
+-----+
F8
STANDARD #2 - CONCENTRATION = 5.000  98
+-----+
F8
          A3      0.224                80
          A4      0.207                86
          -----
          AVERAGE = 0.216  5.6%      85
+-----+
F8
STANDARD #3 - CONCENTRATION = 25.000  8B

```

```

-----
F8
          A5      0.412                85
          B1      0.289                86
          -----
          AVERAGE = 0.351  24.8%      9A
+-----+
F8
STANDARD #4 - CONCENTRATION = 75.000  89
+-----+
F8
          B2      0.778                8E
          B3      0.802                8D
          -----
          AVERAGE = 0.790  2.1%      8E
+-----+
F8
^      SAMPLES^AD
+-----+
F8
          123E8
45A9874500E B4      0.193                4.20  81
          123E8
45A9874500E B5      0.171                3.44  89
          -----
          AVERAGE = 0.182  8.5%      85
          CALCULATED CONC. = 14.1%  3.82  E2
+-----+
F8
          123E8
45A9874501E C1      0.196                4.31  81
          123E8
45A9874501E C2      0.370                27.16  9C
          -----
          AVERAGE = 0.283  43.5%      98
          CALCULATED CONC. = 102.7%  15.73  EB
+-----+
F8
          123E8
45A9874502E C3      0.937                > 75.00  89
          123E8
45A9874502E C4      0.112                1.39  86
          -----
          AVERAGE = 0.525  111.2%      82
          CALCULATED CONC. = ***** > 38.19  F9
+-----+
F8
          123E8
45A9874503E C5      0.117                1.56  8A
          123E8
45A9874503E D1 > 2.200                > 75.00  9E
          -----
          AVERAGE = > 1.159  *****      9A
          CALCULATED CONC. = ***** > 38.28  FB
+-----+
F8
          123E8
45A9874504E D2                NO SAMPLE9F
          123E8
45A9874504E D3      0.151                92

```

-----F8				
123E8				
45A9874505E D4	0.969	> 75.00	85	
123E8				
45A9874505E D5	0.727	67.82	97	
-----F5				
AVERAGE =	0.848	20.2%	97	
CALCULATED CONC. =	*****	> 71.41	F9	
-----F8				
123E8				
45A9874506E E1	0.249	9.89	8F	
F8				
E2		EMPTY	FA	
123E8				
45A9874506E E3	0.309	18.78	96	
-----F5				
AVERAGE =	0.279	15.2%	99	
CALCULATED CONC. =		43.9%	14.33	F4
-----F8				
123E8				
45A9874507E E4	0.267	12.56	9F	
123E8				
45A9874507E E5	0.277	14.04	9E	
-----F5				
AVERAGE =	0.272	2.6%	80	
CALCULATED CONC. =		7.9%	13.30	E0
-----F8				
123E8				
45A9874508E F1	0.219	5.44	8A	
123E8				
45A9874508E F2	0.242	8.85	87	
-----F5				
AVERAGE =	0.231	7.1%	85	
CALCULATED CONC. =		33.7%	7.15	EB
-----F8				
123E8				
45A9874509E F3	0.278	14.19	96	
123E8				
45A9874509E F4	0.356	25.57	94	
-----F5				
AVERAGE =	0.317	17.4%	94	
CALCULATED CONC. =		40.5%	19.88	F6
-----F8				
123E8				
45A9874510E F5	0.204	4.58	87	
123E8				
45A9874510E G1	0.429	33.88	92	
-----F5				
AVERAGE =	0.317	50.3%	90	
CALCULATED CONC. =		107.7%	19.23	E7
-----F8				
123E8				
45A9874511E G2	0.572	50.17	9C	
123E8				
45A9874511E G3	0.522	44.48	97	
-----F5				
AVERAGE =	0.547	6.5%	86	
CALCULATED CONC. =		8.5%	47.32	E0
-----F8				
123E8				
45A9874512E G4	0.358	25.80	9B	
123E8				
45A9874512E G5	*ERROR		E9	
-----F8				

123E8				
45A9874513E H1	0.465	37.98	93	
123E8				
45A9874513E H2	0.354	25.34	90	
-----F5				
AVERAGE =	0.410	19.2%	9C	
CALCULATED CONC. =		28.2%	31.66	F5
-----F8				
123E8				
45A9874514E H3	0.155	2.88	87	
123E8				
45A9874514E H4	0.444	35.59	9D	
-----F5				
AVERAGE =	0.300	68.2%	9C	
CALCULATED CONC. =		120.2%	19.24	E0
-----F8				
123E8				
45A9874515E H5	0.352	25.11	90	
123E8				
45A9874515E J1	0.010	< 0.00	98	
-----F5				
AVERAGE =	0.181	133.6%	8C	
CALCULATED CONC. =		*****	12.56	E4
-----F8				
123E8				
45A9874516E J2	0.339	23.22	9D	
123E8				
45A9874516E J3	0.006	< 0.00	9E	
-----F5				
AVERAGE =	0.173	136.5%	87	
CALCULATED CONC. =		*****	11.61	E3
-----F8				
123E8				
45A9874517E J4	0.567	49.60	9D	
123E8				
45A9874517E J5	0.399	30.47	90	
-----F5				
AVERAGE =	0.483	24.6%	9C	
CALCULATED CONC. =		33.8%	40.03	F0
-----F8				
123E8				
45A9874518E K1	0.274	13.59	96	
123E8				
45A9874518E K2	0.085	0.45	86	
-----F5				
AVERAGE =	0.180	74.5%	9C	
CALCULATED CONC. =		132.3%	7.02	F9
-----F8				
123E8				
45A9874519E K3	0.291	16.11	97	
123E8				
45A9874519E K4		VOID	89	
-----F8				
123E8				
45A9874520E K5	0.550	47.67	94	
123E8				
45A9874520E L1	0.059	< 0.00	95	
-----F5				
AVERAGE =	0.305	114.0%	81	
CALCULATED CONC. =		*****	23.83	EE
-----F8				

123E8									
45A9874521E L2	0.367		26.82	9B					
123E8									
45A9874521E L3	0.336		22.78	9F					
-----				F5					
AVERAGE =	0.352	6.2%		83					
CALCULATED CONC. =		11.5%	24.80	F4					
-----				F8					
123E8									
45A9874522E L4	0.216		5.00	82					
123E8									
45A9874522E L5	0.312		19.22	9B					
-----				F5					
AVERAGE =	0.264	25.7%		93					
CALCULATED CONC. =		83.0%	12.11	F7					
-----				F8					
123E8									
45A9874523E M1	0.185		3.92	83					
123E8									
45A9874523E M2	0.396		30.13	99					
-----				F5					
AVERAGE =	0.291	51.4%		99					
CALCULATED CONC. =		108.8%	17.02	EA					
-----				F8					
123E8									
45A9874524E M3	0.266		12.41	96					
123E8									
45A9874524E M4	0.381		28.42	93					
-----				F5					
AVERAGE =	0.324	25.1%		90					
CALCULATED CONC. =		55.5%	20.41	FD					
-----				F8					
123E8									
45A9874525E M5	0.595		52.79	95					
F8									
+-----				F8					
^ TRAY# 9500002M ^ B6									
DATE: 10/13/97 TIME: 14:34:04 F2									
+-----				F8					
F8									
WELL ABSORB			CONC.	EA					
I.D.# LOC. DIFF %CV mIU/mL FA									
=====				E5					
123E8									
45A9874525E A1	0.079		0.24	85					
-----				F5					
AVERAGE =	0.337	108.3%		8E					
CALCULATED CONC. =		140.1%	26.52	E8					
-----				F8					
123E8									
45A9874526E A2	0.050		< 0.00	94					
123E8									
45A9874526E A3	0.032		< 0.00	91					
-----				F5					
AVERAGE =	0.041	31.0%		94					
CALCULATED CONC. =		*****	0.00	F4					
-----				F8					
123E8									
45A9874527E A4	0.064		< 0.00	94					
123E8									
45A9874527E A5	0.206		4.65	88					
-----				F5					
AVERAGE =	0.135	74.4%		93					
CALCULATED CONC. =		*****	2.33	F6					
-----				F8					
123E8									
45A9874528E B1	0.145		2.53	87					
123E8									
45A9874528E B2	0.184		3.89	8F					
-----				F5					
AVERAGE =	0.165	16.8%		9E					
CALCULATED CONC. =		29.8%	3.21	EC					
-----				F8					
123E8									
45A9874529E B3	0.184		3.89	8F					
123E8									
45A9874529E B4	0.389		29.33	9E					
-----				F5					
AVERAGE =	0.287	50.6%		9D					
CALCULATED CONC. =		108.3%	16.61	E5					
-----				F8					
123E8									
45A9874530E B5	0.404		31.04	98					
123E8									
45A9874530E C1	0.435		34.57	9C					
-----				F5					
AVERAGE =	0.420	5.2%		82					
CALCULATED CONC. =		7.6%	32.80	E7					
-----				F8					
123E8									
45A9874531E C2	0.401		30.69	90					
123E8									
45A9874531E C3	0.749		70.33	95					
-----				F5					
AVERAGE =	0.575	42.8%		9A					
CALCULATED CONC. =		55.5%	50.51	FB					
-----				F8					
123E8									
45A9874532E C4	0.804		> 75.00	8C					
123E8									
45A9874532E C5	*ERROR			EF					
F8									
D1			EMPTY	F8					
-----				F8					
123E8									
45A9874533E D2	0.673		61.67	98					
123E8									
45A9874533E D3	0.529		45.27	97					
-----				F5					
AVERAGE =	0.601	16.9%		9A					
CALCULATED CONC. =		21.7%	53.47	FE					
-----				F8					
123E8									
45A9874534E D4	0.495		41.40	94					
123E8									
45A9874534E D5	0.516		43.79	97					
-----				F5					
AVERAGE =	0.506	2.9%		8B					
CALCULATED CONC. =		4.0%	42.60	EB					
-----				F8					
123E8									
45A9874535E E1	0.415		32.29	92					
123E8									
45A9874535E E2	0.008		< 0.00	9F					
-----				F5					
AVERAGE =	0.212	136.1%		87					
CALCULATED CONC. =		*****	16.14	E6					
-----				F8					

123E8									
45A9874536E E3	0.316		19.81	9C					
123E8									
45A9874536E E4	1.401		> 75.00	86					
-----	-----	-----	-----	F5					
AVERAGE =	0.859	89.4%		92					
CALCULATED CONC. =		*****	> 47.41	FC					
-----	-----	-----	-----	F8					
123E8									
45A9874537E E5	0.812		> 75.00	89					
123E8									
45A9874537E F1	1.542		> 75.00	87					
-----	-----	-----	-----	F5					
AVERAGE =	1.177	43.9%		9D					
CALCULATED CONC. =		*****	> 75.00	F8					
-----	-----	-----	-----	F8					
123E8									
45A9874538E F2	0.364		26.48	9C					
123E8									
45A9874538E F3	0.173		3.51	86					
-----	-----	-----	-----	F5					
AVERAGE =	0.269	50.3%		98					
CALCULATED CONC. =		108.3%	14.99	E0					
-----	-----	-----	-----	F8					
123E8									
45A9874539E F4	0.004		< 0.00	9A					
123E8									
45A9874539E F5	0.167		3.30	83					
-----	-----	-----	-----	F5					
AVERAGE =	0.086	134.8%		83					
CALCULATED CONC. =		*****	1.65	F6					
-----	-----	-----	-----	F8					
123E8									
45A9874540E G1	*ERROR			EA					
123E8									
45A9874540E G2	0.438			9A					
-----	-----	-----	-----	F8					
123E8									
45A9874541E G3	0.251		10.19	94					
123E8									
45A9874541E G4	0.157		2.95	81					
-----	-----	-----	-----	F5					
AVERAGE =	0.204	32.6%		92					
CALCULATED CONC. =		77.9%	6.57	E2					
-----	-----	-----	-----	F8					
123E8									
45A9874542E G5	0.157		2.95	83					
123E8									
45A9874542E H1	0.231		7.22	82					
-----	-----	-----	-----	F5					
AVERAGE =	0.194	27.0%		9A					
CALCULATED CONC. =		59.4%	5.09	EB					
-----	-----	-----	-----	F8					
123E8									
45A9874543E H2	0.265		12.26	91					
123E8									
45A9874543E H3	0.245		9.30	8F					
-----	-----	-----	-----	F5					
AVERAGE =	0.255	5.5%		81					
CALCULATED CONC. =		19.4%	10.78	FD					
-----	-----	-----	-----	F8					
123E8									
45A9874544E H4	0.286		15.37	9A					
123E8									
45A9874544E H5	0.301		17.59	9F					
-----	-----	-----	-----	F5					
AVERAGE =	0.294	3.6%		89					
CALCULATED CONC. =		9.5%	16.48	E8					
-----	-----	-----	-----	F8					
123E8									
45A9874545E J1	0.141		2.40	82					
123E8									
45A9874545E J2	0.164		3.19	8B					
-----	-----	-----	-----	F5					
AVERAGE =	0.153	10.7%		92					
CALCULATED CONC. =		20.2%	2.80	E5					
-----	-----	-----	-----	F8					
123E8									
45A9874546E J3	0.132		2.08	8B					
123E8									
45A9874546E J4	0.149		2.67	89					
-----	-----	-----	-----	F5					
AVERAGE =	0.141	8.6%		89					
CALCULATED CONC. =		17.5%	2.38	E5					
-----	-----	-----	-----	F8					
123E8									
45A9874547E J5	0.204		4.58	89					
123E8									
45A9874547E K1	0.096		0.83	87					
-----	-----	-----	-----	F5					
AVERAGE =	0.150	50.9%		9B					
CALCULATED CONC. =		97.9%	2.71	EC					
-----	-----	-----	-----	F8					
123E8									
45A9874548E K2	0.011		< 0.00	93					
123E8									
45A9874548E K3			NO SAMPLE	99					
-----	-----	-----	-----	F8					
123E8									
45A9874549E K4			VOID	8C					
123E8									
45A9874549E K5	1.352			92					
-----	-----	-----	-----	F8					
123E8									
45A9874550E L1	*ERROR			E0					
123E8									
45A9874550E L2	0.098			9E					
-----	-----	-----	-----	F8					
123E8									
45A9874551E L3	0.309		18.78	9D					
123E8									
45A9874551E L4	0.264		12.11	95					
-----	-----	-----	-----	F5					
AVERAGE =	0.287	11.1%		9F					
CALCULATED CONC. =		30.5%	15.44	FD					
-----	-----	-----	-----	F8					
123E8									
45A9874552E L5	0.207		4.69	8A					
123E8									
45A9874552E M1	0.161		3.09	8D					
-----	-----	-----	-----	F5					
AVERAGE =	0.184	17.7%		9F					
CALCULATED CONC. =		29.0%	3.89	E6					
-----	-----	-----	-----	F8					

```

      123E8
45A9874553E M2    0.532          45.62  92
      123E8
45A9874553E M3    0.242          8.85   83
-----F5
      AVERAGE =    0.387  53.0%
CALCULATED CONC. =    95.5%  27.23 F2
-----F8
      123E8
45A9874554E M4    0.119          1.63   8F
      123E8
45A9874554E M5    0.056          < 0.00  9C
-----F5
      AVERAGE =    0.088  50.9%
CALCULATED CONC. =    *****  0.82 FE
-----F8
|^  END OF BATCH    ^|C2
|  DATE: 10/13/97    TIME: 14:35:45 |F6
+-----+F8
F8
F8
F8
F8

```

P2-A: Point-to-Point, Invalid Standard

file name: P9OUTP2A.TXT

```

+-----+F8
|^  BATCH  INFO    ^|AA
+-----+F8
ASSAY # 65    NAME: SAMPLE PT2PT OFF    E7
TECH ID: LRJ  LOT # 1234567890  TEST #74E2
DATE: 10/13/97    TIME: 13:20:02    F6
PPC SERIAL NUMBER 0001769          81
-----F8
      241095M    60    STANDARDS    F0
F8
+-----+F8
|^  TRAY#    241095M ^|A3
|  DATE: 10/13/97    TIME: 13:30:58 |F8
+-----+F8
F8
      WELL ABSORB      CONC.  EA
      I.D.#    LOC.  DIFF    %CV    mIU/mL  FA
=====
^  STANDARDS    ^90
-----F8
STANDARD #1 - CONCENTRATION = 0.000  9E
-----F8
      A1    0.076          87
      A2    0.050          80
      A3    0.034          83
      A4    0.065          80
-----F5
      AVERAGE =    0.056  32.5%          94
-----F8
STANDARD #2 - CONCENTRATION = 4.000  99
-----F8
      A5    0.205          85
      B1    0.142          82
      B2    0.183          8C
      B3    0.185          8B
-----F5
      AVERAGE =    0.179  14.8%          91
-----F8
STANDARD #3 - CONCENTRATION = 30.000  8F
-----F8
      B4    0.391          8B
      B5    0.402          87
      C1    0.434          87
      C2    0.404          87
-----F5
      AVERAGE =    0.408  4.5%          8E
-----F8
STANDARD #4 - CONCENTRATION = 80.000  83
-----F8
      C3    0.750          84
      C4    0.799          86
      C5    *ERROR          FC

```

```

F8
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^F8
Date: 10/13/97 13:31:29 SN: 0001769CE
ERROR 2.1.1.50 B9
Absorbance of Standard out of 8B
instrument range.9C
No concentrations will be calculated.EC
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^F8
          D1          EMPTY      F8
          D2    0.675              84
-----F8
^      SAMPLES^AD
-----F8
          D3    0.530              87
          D4    0.496              8D
          D5    0.518              8B
-----F8
          E1    0.415              82
          E2    0.006              87
          E3              NO SAMPLE89
-----F8
          E4    1.400              82
          E5    0.815              8A
          F1    1.541              80
-----F8
          F2    0.364              83
          F3    0.174              81
          F4    0.004              80
-----F8
          F5    0.165              87
          G1    *ERROR              FC
          G2    0.437              83
-----F8
          G3    0.249              8D
          G4    0.155              84
          G5    0.153              83
-----F8
          H1    0.225              8A
          H2    0.263              8B
          H3    0.244              8F
-----F8
          H4    0.286              86
          H5    0.301              89
          J1    0.138              87
-----F8
          J2    0.161              88
          J3    0.133              8E
          J4    0.147              8A
-----F8
          J5    0.208              83
          K1    0.096              83
          K2    0.011              8F
-----F8
          K3    0.121              8C
          K4              VOID      93
          K5    1.369              85
-----F8
          L1    *ERROR              F7
          L2    0.099              88
          L3    0.314              8F
-----F8
          L4    0.267              8D
          L5    0.210              8C
          M1    0.164              89
-----F8

```

```

          M2    0.542              8A
          M3    0.243              8D
          M4    0.121              8D
-----F8
          M5    0.054              8F
+-----+F8
|^      END OF BATCH      ^|C2
|  DATE: 10/13/97      TIME: 13:33:05 |F3
+-----+F8
F8
F8
F8
F8

```

P2-B: Point-to-Point, Error within Batch, Reread

file name: P9OUTP2B.TXT

```

+-----+F8
|^  BATCH  INFO  ^|AA
+-----+F8
ASSAY # 65  NAME: SAMPLE PT2PT OFF  E7
TECH ID: LRJ  LOT # 9876543210  TEST #74E2
DATE: 10/13/97  TIME: 10:41:39  FA
PPC SERIAL NUMBER 0001769  81
-----F8
122345M  60  STANDARDS  F8
F8
+-----+F8
|^  TRAY#  122345M  ^|AB
|  DATE: 10/13/97  TIME: 11:08:28  |F6
+-----+F8
F8
      WELL ABSORB      CONC.  EA
      I.D.#  LOC.  DIFF  %CV  mIU/mL  FA
=====  ==  =====  =====  E5
-----F8
^  STANDARDS  ^90
-----F8
STANDARD #1  -  CONCENTRATION =  0.000  9E
-----F8
      A1  0.079  88
      A2  0.051  81
      A3  0.034  83
      A4  0.067  82
      -----F5
      AVERAGE =  0.058  33.9%  97
-----F8
STANDARD #2  -  CONCENTRATION =  4.000  99
-----F8
      A5  0.206  86
      B1  0.142  82
      B2  0.179  89
      B3  0.185  8B
      -----F5
      AVERAGE =  0.178  15.0%  99
-----F8
STANDARD #3  -  CONCENTRATION =  30.000  8F
-----F8
      B4  0.393  89
      B5  0.402  87
      C1  0.438  8B
      C2  0.422  83
      -----F5
      AVERAGE =  0.414  4.9%  8F
-----F8
STANDARD #4  -  CONCENTRATION =  80.000  83
-----F8
      C3  0.762  85
      C4  0.810  88
      C5  0.854  89
      D1  0.791  8C
      -----F5
      AVERAGE =  0.804  4.8%  83
-----F8
^  SAMPLES^AD
-----F8

```

```

D2  0.687  65.00  84
D3  0.530  44.87  86
D4  0.504  41.54  8D
-----F5
      AVERAGE =  0.574  17.3%  90
CALCULATED CONC. =  25.1%  50.47  FF
-----F8
D5  0.524  44.10  8B
E1  0.417  30.38  86
E2  0.006  87
F8
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^F8
      Date: 10/13/97  11:09:32  SN: 0001769CD
ERROR 2.1.1.53 BA
Sample below Minimum Sample AbsorbanceFB
F8
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^F8
-----F8
      E3  0.315  19.09  88
      E4  1.434  > 80.00  9D
      E5  VOID  9C
-----F8
      F1  1.561  > 80.00  9A
      F2  0.374  25.59  87
      F3  EMPTY  F8
      F4  0.005  81
F8
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^F8
      Date: 10/13/97  11:09:47  SN: 0001769CF
ERROR 2.1.1.53 BA
Sample below Minimum Sample AbsorbanceFB
F8
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^F8
-----F8
      F5  0.166  3.60  9F
      G1  *ERROR  FC
      G2  0.438  8C
-----F8
      G3  0.262  13.25  8F
      G4  0.156  3.27  9F
      G5  0.156  3.27  9E
      -----F5
      AVERAGE =  0.191  32.0%  9B
CALCULATED CONC. =  87.4%  6.60  E4
-----F8
      H1  0.237  10.50  83
      H2  0.271  14.25  84
      H3  0.255  12.48  8E
      -----F5
      AVERAGE =  0.254  6.7%  81
CALCULATED CONC. =  15.1%  12.41  FC
-----F8
      H4  0.296  17.00  8F
      H5  0.386  26.92  87
      J1  0.138  2.67  9A
      -----F5
      AVERAGE =  0.273  45.9%  9D
CALCULATED CONC. =  78.5%  15.53  F7
-----F8
      J2  0.164  3.53  96
      J3  0.136  2.60  91
      J4  0.148  3.00  98
      -----F5
      AVERAGE =  0.149  9.4%  82
CALCULATED CONC. =  15.4%  3.04  E8
-----F8

```

```

J5      0.114      1.87  9D
K1      0.096      1.27  99
K2      0.082      0.80  93
----- F5
AVERAGE = 0.097 16.5% 9F
CALCULATED CONC. = 40.8% 1.31 E0
----- F8
K3      0.122      2.13  91
K4      0.138      2.67  9E
K5      1.410      > 80.00 94
----- F5
AVERAGE = 0.557 132.8% 8C
CALCULATED CONC. = ***** > 28.27 F5
----- F8
L1      *ERROR      F7
L2      0.102      8B
L3      0.336      8F
----- F8
L4      NO SAMPLE 87
L5      0.223      8C
M1      0.165      88
----- F8
M2      0.550      47.44 84
M3      0.242      11.05 87
M4      0.124      2.20  96
----- F5
AVERAGE = 0.305 72.0% 90
CALCULATED CONC. = 118.5% 20.23 E1
----- F8
M5      0.063      0.17  93
+-----+F8
|^ END OF BATCH ^|C2
| DATE: 10/13/97 TIME: 11:10:43 |F2
+-----+F8
F8
F8
F8
F8
+-----+F8
|^ REREAD ^|DD
+-----+F8
+-----+F8
|^ BATCH INFO ^|AA
+-----+F8
ASSAY # 65 NAME: SAMPLE PT2PT OFF E7
TECH ID: LRJ LOT # 9876543210 TEST #74E2
DATE: 10/13/97 TIME: 10:41:39 FA
PPC SERIAL NUMBER 0001769 81
----- F8
122345M 60 ARCHIVED 96
F8
+-----+F8
|^ TRAY# 122345M ^|AB
| DATE: 10/13/97 TIME: 11:13:45 |F7
+-----+F8
F8
WELL ABSORB CONC. EA
I.D.# LOC. DIFF %CV mIU/mL FA
=====
^ STANDARDS ^90
----- F8
STANDARD #1 - CONCENTRATION = 0.000 9E
----- F8

```

```

A1      0.079      88
A2      0.051      81
A3      0.034      83
A4      0.067      82
----- F5
AVERAGE = 0.058 33.9% 97
----- F8
STANDARD #2 - CONCENTRATION = 4.000 99
----- F8
A5      0.207      87
B1      0.142      82
B2      0.181      8E
B3      0.185      8B
----- F5
AVERAGE = 0.179 15.1% 99
----- F8
STANDARD #3 - CONCENTRATION = 30.000 8F
----- F8
B4      0.395      8F
B5      0.407      82
C1      0.441      85
C2      0.413      81
----- F5
AVERAGE = 0.414 4.7% 81
----- F8
STANDARD #4 - CONCENTRATION = 80.000 83
----- F8
C3      0.745      80
C4      0.801      88
C5      0.854      89
D1      0.789      85
----- F5
AVERAGE = 0.797 5.6% 89
----- F8
^ SAMPLES^AD
----- F8
D2      0.686      65.51 81
D3      0.530      45.14 8D
D4      0.504      41.75 8E
----- F5
AVERAGE = 0.573 17.2% 96
CALCULATED CONC. = 25.3% 50.80 F6
----- F8
D5      0.521      43.97 86
E1      0.417      30.39 87
E2      0.006      87
F8
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^F8
Date: 10/13/97 11:14:17 SN: 0001769C6
ERROR 2.1.1.53 BA
Sample below Minimum Sample AbsorbanceFB
F8
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^F8
----- F8
E3      0.316      19.16 85
E4      1.431      > 80.00 98
E5      VOID      9C
----- F8
F1      1.559      > 80.00 91
F2      0.374      25.57 89
F3      EMPTY      F8
F4      0.004      80

```

```

F8
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^F8
Date: 10/13/97 11:14:24 SN: 0001769C6
ERROR 2.1.1.53 BA
Sample below Minimum Sample AbsorbanceFB
F8
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^F8
-----F8
          F5  0.161          3.40  9A
          G1  *ERROR          FC
          G2  0.427          82
-----F8
          G3  0.260          12.96 84
          G4  0.151          3.07  9A
          G5  0.155          3.21  9B
-----F5
AVERAGE = 0.189 32.8% 9A
CALCULATED CONC. = 88.4% 6.41 E8
-----F8
          H1  0.237          10.42 80
          H2  0.270          14.07 85
          H3  0.254          12.30 80
-----F5
AVERAGE = 0.254 6.5% 83
CALCULATED CONC. = 14.9% 12.26 F4
-----F8
          H4  0.295          16.83 86
          H5  0.371          25.24 81
          J1  0.138          2.64  99
-----F5
AVERAGE = 0.268 44.3% 9C
CALCULATED CONC. = 76.6% 14.91 F5
-----F8
          J2  0.162          3.44  96
          J3  0.135          2.55  94
          J4  0.148          2.98  98
-----F5
AVERAGE = 0.148 9.1% 86
CALCULATED CONC. = 14.9% 2.99 E1
-----F8
          J5  0.114          1.85  9F
          K1  0.096          1.26  98
          K2  0.012          < 0.00 8E
-----F5
AVERAGE = 0.074 73.6% 92
CALCULATED CONC. = ***** 1.04 F1
-----F8
          K3  0.123          2.15  96
          K4  0.138          2.64  9D
          K5  1.395          > 80.00 9E
-----F5
AVERAGE = 0.552 132.3% 82
CALCULATED CONC. = ***** > 28.26 F4
-----F8
          L1  *ERROR          F7
          L2  0.102          8B
          L3  0.335          8C
-----F8
          L4          NO SAMPLE87
          L5  0.223          8C
          M1  0.165          88
-----F8

```

```

M2  0.548          47.49 80
M3  0.243          11.08 8B
M4  0.123          2.15  97
-----F5
AVERAGE = 0.305 71.9% 9A
CALCULATED CONC. = 118.7% 20.24 E4
-----F8
          M5  0.064          0.20  90
+-----+F8
|^  END OF BATCH  ^|C2
| DATE: 10/13/97  TIME: 11:15:11 |F0
+-----+F8
*****F8
* When rereading assays, operator must *90
* verify that all package insert spec- *E2
* ifications (timing and assay validity*EB
* checks) are met in order to have a *E7
* valid run. *E9
* See Operations Manual, Special *FA
* Operating Procedures. *B5
*****F8
F8
F8
F8
F8

```

P3: Point-to-Point, TPC = Record, Single Standard Replicate

file name: P9OUTP3.TXT

```

+-----+F8
|^      BATCH  INFO      ^|AA
+-----+F8
ASSAY # 64      NAME: SAMPLE PT2PT RECORD 84
LIST #-PROCEDURE: 9999-T2                E8
TECH ID 1: LRJLRJ                          E4
TECH ID 2:                                E7
TECH ID OPD:      MSK                      FB
TECH ID ACID:      NTL                    8C
TPC MODE = RECORD                          8C
PPC SERIAL NUMBER 0001769                 81
PPC VERSION NUMBER 8CA1                   E9
DATE: 10/13/97      TIME: 10:05:25        F7
-----F8
          102495M      60      ARCHIVED    9E
F8
TPC INFORMATION:                          E9
=====
F8
TYPE EXPIRATION          LOT#      DEV.  E6
-----
ML                      2586N071M    E5
CNJ1                    124580C10M    8B
OPD                     2580741M     F3
ACID                    145800M      92
F8
+-----+F8
|^ TRAY#      102495M ^|A3
|TPC INFORMATION:                                |E9
|-----|F8
|TYPE EXPIRATION          LOT#      DEV.  |E6
|-----|F5
|STD1                      |8A
|STD2                      |89
|STD3                      |88
|STD4                      |8F
|BEAD                      9654741B    |84
|PIPETTOR SERIAL NUMBER    |EA
|PIPETTOR VERSION NUMBER   |90
|PIPETTOR TECH ID:         |E4
|DATE: 10/13/97      TIME: 10:33:33 |F5
+-----+F8
F8
          WELL ABSORB          CONC.  EA
          I.D.#      LOC.  DIFF      %CV      mIU/mL  FA
          =====
+-----F8
^      STANDARDS      ^90
-----F8
STANDARD #1 - CONCENTRATION = 0.000 9E
-----F8
          A1      0.039                8C
-----F8
STANDARD #2 - CONCENTRATION = 4.000 99
-----F8
          A2      0.105                81
-----F8

```

```

STANDARD #3 - CONCENTRATION = 30.000 8F
-----F8
          A3      0.290                8F
-----F8
STANDARD #4 - CONCENTRATION = 80.000 83
-----F8
          A4      1.371                87
-----F8
^      SAMPLES^AD
-----F8
12345A4001M A5      0.334                32.04 95
12345A4001M B1      0.319                31.34 9D
-----F5
          AVERAGE =      0.327      3.2%      84
CALCULATED CONC. =      1.5%      31.69 E6
-----F8
12345A4002M B2      1.004                63.02 91
12345A4002M B3      0.963                61.13 9B
-----F5
          AVERAGE =      0.984      2.9%      8D
CALCULATED CONC. =      2.2%      62.08 E3
-----F8
12345A4003M B4      0.071                1.94 8E
12345A4003M B5      1.497                > 80.00 88
-----F5
          AVERAGE =      0.784      128.6%      85
CALCULATED CONC. =      ***** > 40.97 F0
-----F8
12345A4004M C1      0.324                31.57 92
12345A4004M C2      0.418                35.92 94
-----F5
          AVERAGE =      0.371      17.9%      99
CALCULATED CONC. =      9.1%      33.75 E5
-----F8
12345A4005M C3      0.315                31.16 96
12345A4005M C4      0.415                35.78 9A
-----F5
          AVERAGE =      0.365      19.4%      9F
CALCULATED CONC. =      9.8%      33.47 ED
-----F8
12345A4006M C5      0.551                42.07 91
12345A4006M D1      0.302                30.56 93
-----F5
          AVERAGE =      0.427      41.3%      94
CALCULATED CONC. =      22.4%      36.31 FC
-----F8
12345A4007M D2      0.370                33.70 93
12345A4007M D3      0.523                40.78 9E
-----F5
          AVERAGE =      0.447      24.2%      90
CALCULATED CONC. =      13.4%      37.24 FB
          D4                      EMPTY      FD
-----F8
12345A4008M D5      0.420                36.01 9A
12345A4008M E1      0.415                35.78 94
-----F5
          AVERAGE =      0.418      0.8%      86
CALCULATED CONC. =      0.5%      35.90 E5
-----F8
12345A4009M E2      0.452                37.49 95
12345A4009M E3      0.028                < 0.00 98
-----F5
          AVERAGE =      0.240      124.9%      8B
CALCULATED CONC. =      *****      18.75 EF
-----F8

```


12345A4010M E4	1.425	> 80.00	85	12345A4022M K3	0.121	6.25	8A
12345A4010M E5	0.829	54.93	98	12345A4022M K4	0.138	8.64	8E
-----			F5	-----			F5
AVERAGE =	1.127	37.4%	96	AVERAGE =	0.130	9.3%	8B
CALCULATED CONC. =	*****	> 67.47	F8	CALCULATED CONC. =	22.7%	7.44	EF
-----			F8	-----			F8
12345A4011M F1	1.465	> 80.00	86	12345A4023M K5	1.402	> 80.00	8F
12345A4011M F2	-0.001	< 0.00	95	12345A4023M L1	*ERROR		EF
-----			F5	-----			F8
AVERAGE =	0.732	141.6%	87	12345A4024M L2	-0.002	< 0.00	9A
CALCULATED CONC. =	*****	*****	EA	12345A4024M L3	0.001	< 0.00	95
-----			F8	-----			F5
12345A4012M F3	0.002	< 0.00	99	AVERAGE =	-0.001	424.3%	8E
12345A4012M F4	0.178	14.26	9F	CALCULATED CONC. =	*****	0.00	F4
-----			F5	-----			F8
AVERAGE =	0.090	138.3%	83	12345A4025M L4	0.257	25.36	9C
CALCULATED CONC. =	*****	7.13	F1	12345A4025M L5		NO SAMPLE	98
-----			F8	-----			F8
12345A4013M F5	0.160	11.73	93	12345A4026M M1	0.165	12.43	9F
12345A4013M G1	*ERROR		E7	12345A4026M M2	0.554	42.21	9B
-----			F8	-----			F5
12345A4014M G2	0.004	< 0.00	99	AVERAGE =	0.360	76.5%	92
12345A4014M G3	0.259	25.64	9B	CALCULATED CONC. =	77.1%	27.32	FA
-----			F5	-----			F8
AVERAGE =	0.132	137.1%	87	12345A4027M M3	0.240	22.97	92
CALCULATED CONC. =	*****	12.82	ED	12345A4027M M4	0.127	7.09	87
-----			F8	-----			F5
12345A4015M G4		VOID	82	AVERAGE =	0.184	43.5%	9C
12345A4015M G5	0.157		9A	CALCULATED CONC. =	74.7%	15.03	FC
-----			F8	-----			F8
12345A4016M H1	0.241	23.11	99	12345A4028M M5	0.059	1.21	8D
12345A4016M H2	0.272	27.47	9D	-----			+F8
-----			F5	^ END OF BATCH ^ C2			
AVERAGE =	0.257	8.5%	8E	DATE: 10/13/97 TIME: 10:35:01 F2			
CALCULATED CONC. =	12.2%	25.29	F2	-----			+F8
-----			F8				
12345A4017M H3	0.257	25.36	9E	F8			
12345A4017M H4	0.292	30.09	98	F8			
-----			F5	F8			
AVERAGE =	0.275	9.0%	8A				
CALCULATED CONC. =	12.1%	27.73	FC				
-----			F8				
12345A4018M H5	0.026	< 0.00	9D				
12345A4018M J1	0.136	8.36	8A				
-----			F5				
AVERAGE =	0.081	96.0%	95				
CALCULATED CONC. =	*****	4.18	F9				
-----			F8				
12345A4019M J2	0.161	11.87	98				
12345A4019M J3	0.137	8.50	88				
-----			F5				
AVERAGE =	0.149	11.4%	9B				
CALCULATED CONC. =	23.4%	10.18	F2				
-----			F8				
12345A4020M J4	0.145	9.62	80				
12345A4020M J5	0.116	5.55	8F				
-----			F5				
AVERAGE =	0.131	15.7%	93				
CALCULATED CONC. =	38.0%	7.58	EE				
-----			F8				
12345A4021M K1	0.095	3.39	8D				
12345A4021M K2	0.081	2.55	80				
-----			F5				
AVERAGE =	0.088	11.2%	91				
CALCULATED CONC. =	20.2%	2.97	E3				
-----			F8				

P4: Point-to-Point, TPC = Verify

file name: P9OUTP4.TXT

```

+-----+F8
|^  BATCH  INFO  ^|AA
+-----+F8
ASSAY # 63      NAME: SAMPLE PT2PT VERIFY 99
LIST #-PROCEDURE: 9999- T                FA
TECH ID 1:      LRJ                      90
TECH ID 2:                      E7
TECH ID OPD: MSKMSK                      8E
TECH ID ACID:   NTL                      8C
TPC MODE = VERIFY                        96
PPC SERIAL NUMBER 0001769                81
PPC VERSION NUMBER 8CA1                  E9
DATE: 10/10/97      TIME: 16:24:11       F6
OPD Timing = Verified                    88
Minimum Time = 28      Maximum Time = 32 ED
Sample ID Size = 20                      E9
-----F8
          951001M    60      STANDARDS    F7
          951002M    60                      9C
F8
TPC INFORMATION:                        E9
=====
F8
F8
TYPE EXPIRATION          LOT#    DEV.    E6
-----
ML      12/25/97          2000M      9C
RCJ1    12/25/97          2007M      F0
OPD     12/25/97-00:00:01  9654742M F7
ACID    12/25/97          456ACIDM    88
F8
+-----+F8
|^ TRAY#      951001M ^|A4
|TPC INFORMATION:
|
|TYPE EXPIRATION          LOT#    DEV.    E6
|-----
|STD1 12/25/97          2001M      EE
|STD2 12/25/97          2002M      EE
|STD3 12/25/97          2003M      EE
|STD4 12/25/97          2004M      EE
|BEAD                                *06* FC
|PIPETTOR SERIAL NUMBER   Pip SN    9E
|PIPETTOR VERSION NUMBER 2.5        99
|PIPETTOR TECH ID: FPCTID          E8
|
|DATE: 10/10/97      TIME: 17:02:44 F3
+-----+F8
F8
          WELL ABSORB          CONC.    EA
          I.D.#      LOC.  DIFF    %CV    mIU/mL FA
          =====
          =====
          -----F8
^      STANDARDS      ^90
-----F8
STANDARD #1 - CONCENTRATION = 0.000 9E
-----F8
          A1    0.041          83
          A2    0.021          86
          -----F5
          AVERAGE = 0.031 45.6% 96
          -----F8

```

```

STANDARD #2 - CONCENTRATION = 5.000 98
-----F8
          A3    0.147          86
          A4    0.164          80
          -----F5
          AVERAGE = 0.156 7.7% 81
          -----F8
STANDARD #3 - CONCENTRATION = 25.000 8B
-----F8
          A5    0.343          86
          B1    0.325          81
          -----F5
          AVERAGE = 0.334 3.8% 8C
          -----F8
STANDARD #4 - CONCENTRATION = 75.000 89
-----F8
          B2    0.984          83
          B3    1.044          86
          -----F5
          AVERAGE = 1.014 4.2% 81
          -----F8
^      SAMPLES^AD
-----F8
          F8
          Control Im B4 1.555          > 75.00 D5
          F8
          Control Im B5 1.475          > 75.00 D7
          -----F5
          AVERAGE = 1.515 3.7% 87
          CALCULATED CONC. = ***** > 75.00 F8
          -----F8
          F8
          Control IIm C1 0.297          20.84 A2
          F8
          Control IIm C2 0.277          18.60 AE
          -----F5
          AVERAGE = 0.287 4.9% 83
          CALCULATED CONC. = 8.1% 19.72 EB
          -----F8
          F8
          01758b C3 0.288          19.83 D0
          F8
          01758b C4 0.385          28.75 D0
          -----F5
          AVERAGE = 0.337 20.4% 92
          CALCULATED CONC. = 26.0% 24.29 F6
          -----F8
          F8
          16778899b C5          VOID      DF
          F8
          16778899b D1 0.257          C6
          -----F8
          0887766E8
          5544332211b D2 0.218          11.97 C9
          0887766E8
          5544332211b D3 0.498          37.06 CA
          -----F5
          AVERAGE = 0.358 55.3% 9E
          CALCULATED CONC. = 72.4% 24.51 FC
          -----F8
          0175801758F8
          0175801758d D4 0.470          35.00 C9
          F8
          D5          EMPTY      FC
          -----F8

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      F8
16778899b E1    0.386          28.82  C4
-----F8
      0887766E8
5544332211b E2    0.424          31.62  C9
      0887766E8
5544332211b E3          NO SAMPLECB
-----F8
0175801758F8
0175801758b E4    1.345          > 75.00  D4
0175801758F8
0175801758b E5    0.790          58.53  CF
-----F5
      AVERAGE =    1.068    36.8%
CALCULATED CONC. =          ***** > 66.76  FB
-----F8
      F8
16778899b F1    1.394          > 75.00  D9
-----F8
      0887766E8
5544332211b F2    0.000          < 0.00  C2
      0887766E8
5544332211b F3          NO SAMPLEC8
-----F8
0175801758F8
0175801758b F4    0.182          7.92  DF
0175801758F8
0175801758b F5    0.174          7.02  DE
-----F5
      AVERAGE =    0.178    3.2%
CALCULATED CONC. =          8.5%    7.47  F6
-----F8
      F8
16778899b G1    *ERROR          B9
-----F8
      0887766E8
5544332211b G2    0.132          4.04  DF
      0887766E8
5544332211b G3          NO SAMPLEC9
-----F8
0175801758F8
0175801758b G4    0.154          4.92  D6
0175801758F8
0175801758b G5    0.164          5.90  D7
-----F5
      AVERAGE =    0.159    4.4%
CALCULATED CONC. =          12.8%    5.41  E4
-----F8
      F8
16778899b H1    0.241          14.55  C6
-----F8
      0887766E8
5544332211b H2    0.292          20.28  C1
      0887766E8
5544332211b H3          NO SAMPLEC6
-----F8
0175801758F8
0175801758b H4    0.318          23.20  CF
0175801758F8
0175801758b H5    0.132          4.04  D7
-----F5
      AVERAGE =    0.225    58.5%
CALCULATED CONC. =          99.5%    13.62  FC
-----F8
      F8
16778899b J1    0.151          4.80  DF
-----F8

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      0887766E8
5544332211b J2    0.174          7.02  D5
      0887766E8
5544332211b J3          NO SAMPLEC4
-----F8
0175801758F8
0175801758b J4    0.143          4.48  DA
0175801758F8
0175801758b J5    0.125          3.76  D1
-----F5
      AVERAGE =    0.134    9.5%
CALCULATED CONC. =          12.4%    4.12  EF
-----F8
      F8
16778899b K1    0.100          2.76  D5
-----F8
      0887766E8
5544332211b K2    0.080          1.96  D5
      0887766E8
5544332211b K3          NO SAMPLEC5
-----F8
0175801758F8
0175801758b K4    0.133          4.08  D8
0175801758F8
0175801758b K5    1.410          > 75.00  DC
-----F5
      AVERAGE =    0.772   117.0%
CALCULATED CONC. =          ***** > 39.54  F1
-----F8
      F8
16778899b L1    *ERROR          B2
-----F8
      0887766E8
5544332211b L2   -0.001          < 0.00  C4
      0887766E8
5544332211b L3          NO SAMPLEC2
-----F8
0175801758F8
0175801758b L4    0.257          16.35  C3
0175801758F8
0175801758b L5    0.219          12.08  C2
-----F5
      AVERAGE =    0.238   11.3%
CALCULATED CONC. =          21.2%    14.21  F8
-----F8
      F8
16778899b M1    0.178          7.47  DB
-----F8
      0887766E8
5544332211b M2    0.284          19.38  C8
      0887766E8
5544332211b M3          NO SAMPLEC3
-----F8
0175801758F8
0175801758b M4    0.202          10.17  C4
0175801758F8
0175801758b M5    0.200          9.94  D4
-----F5
      AVERAGE =    0.201    0.7%
CALCULATED CONC. =          1.6%    10.06  EF

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F8
+-----+F8
^ TRAY#      951002M ^|A7
TPC INFORMATION:
TYPE EXPIRATION      LOT#      DEV.
-----
STD1 12/25/97      2001M
STD2 12/25/97      2002M
STD3 12/25/97      2003M
STD4 12/25/97      2004M
BEAD                                *06*
PIPETTOR SERIAL NUMBER      Pip SN
PIPETTOR VERSION NUMBER      2.5
PIPETTOR TECH ID: FPCTID
DATE: 10/10/97      TIME: 17:04:53
+-----+F8

F8
I.D.#      WELL ABSORB      CONC. EA
LOC. DIFF %CV mIU/mL FA
=====
F8
2234501m A1      0.272      18.03 DB
F8
2234501m A2      0.296      20.73 DE
-----
AVERAGE =      0.284      6.0%      8B
CALCULATED CONC. =      9.8%      19.38 ED
-----
F8
2234502m A3      0.328      24.33 D8
F8
2234502m A4      VOID      C4
-----
F8
2234503m A5      0.330      24.55 D6
F8
2234503m B1      0.281      19.04 D0
-----
AVERAGE =      0.306      11.3%      95
CALCULATED CONC. =      17.9%      21.80 FB
-----
F8
2234504m B2      0.234      13.76 D5
F8
2234504m B3      0.209      10.96 D7
-----
AVERAGE =      0.222      8.0%      89
CALCULATED CONC. =      16.1%      12.36 FF
F8
B4      EMPTY      FB
-----
F8
2234505m B5      0.171      6.69 CB
-----
F8
2234506m C1      0.206      10.62 D2
F8
2234506m C2      0.407      30.37 D4
-----
AVERAGE =      0.307      46.4%      91
CALCULATED CONC. =      68.1%      20.49 FF
-----
F8

F8
2234507m C3      NO SAMPLED7
F8
2234507m C4      0.109      D1
-----
F8
2234508m C5      0.112      3.24 CE
F8
2234508d D1 > 2.200      > 75.00 D1
-----
AVERAGE = > 1.156 ***** 95
CALCULATED CONC. = ***** > 39.12 F3
-----
F8
2234509m D2      0.046      0.60 CC
F8
2234509m D3      0.008      < 0.00 DD
-----
AVERAGE =      0.027      99.5%      93
CALCULATED CONC. = ***** 0.30 F7
-----
F8
2234510v D4      0.971      71.84 C8
F8
2234510m D5      0.736      54.56 D7
-----
AVERAGE =      0.854      19.5%      97
CALCULATED CONC. =      19.3%      63.20 F3
-----
F8
2234511m E1      0.256      16.24 D3
F8
2234511m E2      *ERROR      A2
-----
F8
2234512m E3      0.324      23.88 D6
F8
2234512m E4      0.277      18.60 D8
-----
AVERAGE =      0.301      11.1%      90
CALCULATED CONC. =      17.6%      21.24 FA
-----
F8
2234513m E5      0.267      17.47 D3
-----
F8
2234511m F1      0.236      13.99 D5
F8
2234511m F2      0.244      14.89 D5
-----
AVERAGE =      0.240      2.4%      83
CALCULATED CONC. =      4.4%      14.44 EA
-----
F8
2234512m F3      0.268      17.58 D6
F8
2234512m F4      0.389      29.04 DB
-----
AVERAGE =      0.329      26.0%      9F
CALCULATED CONC. =      34.8%      23.31 F3
-----
F8
2234513m F5      0.219      12.08 D7
-----
F8

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F8					F8			
2234511m G1	0.465		34.63	D4	2234511m L1	0.002		OPD TIME B8
F8					F8			
2234511m G2	0.609		45.22	DC	2234511m L2	0.022		OPD TIME B9
-----				F5	-----			F8
AVERAGE =	0.537	19.0%		9A	F8			
CALCULATED CONC. =		18.8%	39.93	FE	2234512m L3	0.009		OPD TIME B2
-----				F8	F8			
F8					2234512m L4	0.010		OPD TIME BD
2234512m G3	0.571		42.43	D2	-----			F8
F8					F8			
2234512m G4	0.006		< 0.00	DD	2234513m L5	0.360		OPD TIME B9
-----				F5	-----			F8
AVERAGE =	0.289	138.5%		8F	F8			
CALCULATED CONC. =		*****	21.21	E4	2234511m M1	0.005		OPD TIME BE
-----				F8	F8			
F8					2234511m M2	0.011		OPD TIME B8
2234513m G5	*ERROR			A5	-----			F8
-----				F8	F8			
F8					2234512m M3	0.007		OPD TIME BD
2234511m H1	0.486		36.18	D8	F8			
F8					2234512m M4	0.396		OPD TIME B1
2234511m H2	0.008		< 0.00	D9	-----			F8
-----				F5	F8			
AVERAGE =	0.247	136.8%		8E	2234513m M5	0.018		OPD TIME B4
CALCULATED CONC. =		*****	18.09	E4	-----			F8
-----				F8	Row J incubation time=35	Exceeds limit	C4	
F8					Row K incubation time=35	Exceeds limit	C5	
2234512m H3	0.006		< 0.00	D5	Row L incubation time=34	Exceeds limit	C3	
F8					Row M incubation time=35	Exceeds limit	C3	
2234512m H4	0.426		31.76	DB	+			F8
-----				F5	^ END OF BATCH ^ C2			
AVERAGE =	0.216	137.5%		86	DATE: 10/10/97 TIME: 17:11:42 F7			
CALCULATED CONC. =		*****	15.88	E0	+			F8
-----				F8				
F8					F8			
2234513m H5	0.016		< 0.00	D3	F8			
-----				F8	F8			
F8								
2234511m J1	0.002		OPD TIME	BE				
F8								
2234511m J2	0.008		OPD TIME	B7				
-----				F8				
F8								
2234512m J3	0.005		OPD TIME	B8				
F8								
2234512m J4	0.592		OPD TIME	B4				
-----				F8				
F8								
2234513m J5	0.008		OPD TIME	B2				
-----				F8				
F8								
2234511m K1	-0.002		OPD TIME	B2				
F8								
2234511m K2	0.013		OPD TIME	BC				
-----				F8				
F8								
2234512m K3	0.196		OPD TIME	B2				
F8								
2234512m K4	0.360		OPD TIME	BE				
-----				F8				
F8								
2234513m K5	0.544		OPD TIME	BE				
-----				F8				

NOTES