Abaxis ASTM Protocol Sample Records

The following sample records are examples of the Abaxis implementation of the ASTM 1394-97 standard within the ASTM 1381-02 low level communications protocol standard. The examples address run time rotor results messages, comment messages, query of rotor result messages, and exeption comment messages.

```
*** Example (Abaxis to LIS) sign on comment message ***
*** piccolo xpress version # 2.1.9, serial # 0000V0000D, at 2006 04/01 06:24:21 ***

<STX>1H|¥^&|||ABAXIS, INC.^piccolo xpress^2.1.9^0000V0000D||||||P|E 1394-97|20060401062421<CR><ETX>A1<CR><LF>
<STX>2C|1|I|^^Power Up Initialization Sign On|G<CR><ETX>94<CR><LF>
<STX>3L|1|N<CR><ETX>06<CR><LF>


*** Example (Abaxis to LIS) sign on comment message ***
*** VetScan VS2 version # 2.1.9, serial # 0000V0000D, at 2006 04/01 06:24:21 ***

<STX>1H|¥^&|||ABAXIS, INC.^VetScan VS2^2.1.9^0000V0000D||||||P|E 1394-97|20060401062421<CR><ETX>A1<CR><LF>
<STX>2C|1|I|^^Power Up Initialization Sign On|G<CR><ETX>94<CR><LF>
<STX>3L|1|N<CR><ETX>06<CR><LF>


*** Example (Abaxis to LIS) rotor abort error results message ***
*** patient ID 12345678901234, MALE, ROTOR UNKNOWN, operator ID 12345678901234, doctor ID 12345678901234 ***

<STX>1H|¥^&|||ABAXIS, INC.^piccolo xpress^2.1.9^0000V0000D||||||P|E 1394-97|20060401062828<CR><ETX>AC<CR><LF>
<STX>2P|1|12345678901234|44444|33333|||19530225|M||||789-012-3456||88888^53 Yrs.^|Patient||||||||||66666<CR><ETX>21<CR><LF>
<STX>30|1|||||20060401062445||||12345678901234||||||12345678901234|||||||||F<CR><ETX>93<CR><LF>
<STX>4C|1|I|^46FF FFFF^Run Count¥^7DFF FFFF^Abort Count|I<CR><ETX>CF<CR><LF>
<STX>5C|2|I|^28FF FFFF^Print Count¥^5D19 6FFF^Flash Count|I<CR><ETX>9D<CR><LF>
<STX>6C|3|I|^0000^DAC Trim Flags¥^0000^Offset Error Flags¥^0000 0000^System Flags|I<CR><ETX>0B<CR><LF>
<STX>7C|4|I|^0000 0000^Bead Check 1 Flags¥^0000 0000^Bead Check 2 Flags|I<CR><ETX>E5<CR><LF>
<STX>0C|5|I|^0000 0000^Empty Cuvette Flags¥^0000 0000^Distribution Check Flags|I<CR><ETX>75<CR><LF>
<STX>1C|6|I|^0000^Quality Control Flags¥^0000^Offset SD Error Flags¥^0000^Wavelength CV Flags|I<CR><ETX>8F<CR><LF>
<STX>2C|7|I|^4055^BARCODE ERROR|I<CR><ETX>62<CR><LF>
<STX>3L|1|N<CR><ETX>06<CR><LF>


*** Example (Abaxis to LIS) rotor abort error results message ***
*** patient ID 98765432109876, FEMALE, ROTOR UNKNOWN, operator ID 98765432109876, doctor ID 98765432109876 ***

<STX>1H|¥^&|||ABAXIS, INC.^piccolo xpress^2.1.9^0000V0000D||||||P|E 1394-97|20060401063227<CR><ETX>A6<CR><LF>
<STX>2P|1|98765432109876|44444|33333|||19530225|F||||789-012-3456||88888^53 Yrs.^|Patient||||||||||66666<CR><ETX>21<CR><LF>
<STX>30|1|||||20060401062852||||98765432109876||||||98765432109876|||||||||F<CR><ETX>BD<CR><LF>
```

```
<STX>4C|1|I|^46FF FFFF^Run Count¥^7DFF FFFF^Abort Count|I<CR><ETX>CF<CR><LF>
<STX>5C|2|I|^28FF FFFF^Print Count¥^5D19 6FFF^Flash Count|I<CR><ETX>9D<CR><LF>
<STX>6C|3|I|^0000^DAC Trim Flags¥^0000^Offset Error Flags¥^0000 0000^System Flags|I<CR><ETX>0B<CR><LF>
<STX>7C|4|I|^0000 0000^Bead Check 1 Flags¥^0000 0000^Bead Check 2 Flags|I<CR><ETX>E5<CR><LF>
<STX>0C|5|I|^0000 0000^Empty Cuvette Flags¥^0000 0000^Distribution Check Flags|I<CR><ETX>75<CR><LF>
<STX>1C|6|I|^0000^Quality Control Flags¥^0000^Offset SD Error Flags¥^0000^Wavelength CV Flags|I<CR><ETX>8F<CR><LF>
<STX>2C|7|I|^4055^BARCODE ERROR|I<CR><ETX>62<CR><LF>
<STX>3L|1|N<CR><ETX>06<CR><LF>
```

*** Example (Abaxis to LIS) rotor abort error results message ***
*** patient ID LEVEL II, CONTROL, ROTOR UNKNOWN, operator ID 87654321098765, doctor ID 87654321098765 ***

```
<STX>1H|¥^&|||ABAXIS, INC.^piccolo xpress^2.1.9^0000V0000D||||||P|E 1394-97|20060401063647<CR><ETX>AC<CR><LF>
<STX>2P|1|ID LEVEL II||||||U|||||||^^|Control||||||||||<CR><ETX>21<CR><LF>
<STX>30|1|||||20060401063314||||87654321098765||||||87654321098765|||||||||F<CR><ETX>AF<CR><LF>
<STX>4C|1|I|^46FF FFFF^Run Count¥^7DFF FFFF^Abort Count|I<CR><ETX>CF<CR><LF>
<STX>5C|2|I|^28FF FFFF^Print Count¥^5D19 6FFF^Flash Count|I<CR><ETX>9D<CR><LF>
<STX>6C|3|I|^0000^DAC Trim Flags¥^0000^Offset Error Flags¥^0000 0000^System Flags|I<CR><ETX>0B<CR><LF>
<STX>7C|4|I|^0000 0000^Bead Check 1 Flags¥^0000 0000^Bead Check 2 Flags|I<CR><ETX>E5<CR><LF>
<STX>0C|5|I|^0000 0000^Empty Cuvette Flags¥^0000 0000^Distribution Check Flags|I<CR><ETX>75<CR><LF>
<STX>1C|6|I|^0000^Quality Control Flags¥^0000^Offset SD Error Flags¥^0000^Wavelength CV Flags|I<CR><ETX>8F<CR><LF>
<STX>2C|7|I|^4055^BARCODE ERROR|I<CR><ETX>62<CR><LF>
<STX>3L|1|N<CR><ETX>06<CR><LF>
```

*** Example (Abaxis to LIS) rotor abort error results message ***
*** patient ID 76543210987654, ROTOR UNKNOWN, operator ID 76543210987654, doctor ID 76543210987654 ***

```
<STX>1H|¥^&|||ABAXIS, INC.^piccolo xpress^2.1.9^0000V0000D||||||P|E 1394-97|20060401064223<CR><ETX>A3<CR><LF>
<STX>2P|1|76543210987654||||||U|||||||^^||||||||||||<CR><ETX>21<CR><LF>
<STX>30|1|||||20060401063833||||76543210987654||||||76543210987654|||||||||F<CR><ETX>AD<CR><LF>
<STX>4C|1|I|^46FF FFFF^Run Count¥^7DFF FFFF^Abort Count|I<CR><ETX>CF<CR><LF>
<STX>5C|2|I|^28FF FFFF^Print Count¥^5D19 6FFF^Flash Count|I<CR><ETX>9D<CR><LF>
<STX>6C|3|I|^0000^DAC Trim Flags¥^0000^Offset Error Flags¥^0000 0000^System Flags|I<CR><ETX>0B<CR><LF>
<STX>7C|4|I|^0000 0000^Bead Check 1 Flags¥^0000 0000^Bead Check 2 Flags|I<CR><ETX>E5<CR><LF>
<STX>0C|5|I|^0000 0000^Empty Cuvette Flags¥^0000 0000^Distribution Check Flags|I<CR><ETX>75<CR><LF>
<STX>1C|6|I|^0000^Quality Control Flags¥^0000^Offset SD Error Flags¥^0000^Wavelength CV Flags|I<CR><ETX>8F<CR><LF>
<STX>2C|7|I|^4055^BARCODE ERROR|I<CR><ETX>62<CR><LF>
<STX>3L|1|N<CR><ETX>06<CR><LF>
```

*** Example (LIS to Abaxis) Query message ***
*** patient ID all, all rotors ran have matching query results dumped below ***

<STX>1H|¥^&|||Heisenberg|Union City||510-675-6500<CR><ETX>9E<CR><LF>
<STX>2Q|1|all<CR><ETX>F5<CR><LF>
<STX>3L|1<CR><ETX>3C<CR><LF>

<STX>1H|¥^&|||ABAXIS, INC.^piccolo xpress^2.1.9^0000V0000D|||||||P|E 1394-97|20060401065529<CR><ETX>AD<CR><LF>
<STX>2P|1|12345678901234|44444|33333|||19530225|M||||789-012-3456||88888^53 Yrs.^|Patient||||||||||66666<CR><ETX>21<CR><LF>
<STX>3O|1|||||20060401062445||||12345678901234||||||12345678901234|||||||||Q<CR><ETX>9E<CR><LF>
<STX>4C|1|I|^46FF FFFF^Run Count¥^7DFF FFFF^Abort Count|I<CR><ETX>CF<CR><LF>
<STX>5C|2|I|^28FF FFFF^Print Count¥^5D19 6FFF^Flash Count|I<CR><ETX>9D<CR><LF>
<STX>6C|3|I|^0000^DAC Trim Flags¥^0000^Offset Error Flags¥^0000 0000^System Flags|I<CR><ETX>0B<CR><LF>
<STX>7C|4|I|^0000 0000^Bead Check 1 Flags¥^0000 0000^Bead Check 2 Flags|I<CR><ETX>E5<CR><LF>
<STX>0C|5|I|^0000 0000^Empty Cuvette Flags¥^0000 0000^Distribution Check Flags|I<CR><ETX>75<CR><LF>
<STX>1C|6|I|^0000^Quality Control Flags¥^0000^Offset SD Error Flags¥^0000^Wavelength CV Flags|I<CR><ETX>8F<CR><LF>
<STX>2C|7|I|^4055^BARCODE ERROR|I<CR><ETX>62<CR><LF>
<STX>3L|1|N<CR><ETX>06<CR><LF>

<STX>1H|¥^&|||ABAXIS, INC.^piccolo xpress^2.1.9^0000V0000D|||||||P|E 1394-97|20060401065532<CR><ETX>A7<CR><LF>
<STX>2P|1|98765432109876|44444|33333|||19530225|F||||789-012-3456||88888^53 Yrs.^|Patient||||||||||66666<CR><ETX>21<CR><LF>
<STX>3O|1|||||20060401062852||||98765432109876||||||98765432109876|||||||||Q<CR><ETX>C8<CR><LF>
<STX>4C|1|I|^46FF FFFF^Run Count¥^7DFF FFFF^Abort Count|I<CR><ETX>CF<CR><LF>
<STX>5C|2|I|^28FF FFFF^Print Count¥^5D19 6FFF^Flash Count|I<CR><ETX>9D<CR><LF>
<STX>6C|3|I|^0000^DAC Trim Flags¥^0000^Offset Error Flags¥^0000 0000^System Flags|I<CR><ETX>0B<CR><LF>
<STX>7C|4|I|^0000 0000^Bead Check 1 Flags¥^0000 0000^Bead Check 2 Flags|I<CR><ETX>E5<CR><LF>
<STX>0C|5|I|^0000 0000^Empty Cuvette Flags¥^0000 0000^Distribution Check Flags|I<CR><ETX>75<CR><LF>
<STX>1C|6|I|^0000^Quality Control Flags¥^0000^Offset SD Error Flags¥^0000^Wavelength CV Flags|I<CR><ETX>8F<CR><LF>
<STX>2C|7|I|^4055^BARCODE ERROR|I<CR><ETX>62<CR><LF>
<STX>3L|1|N<CR><ETX>06<CR><LF>

<STX>1H|¥^&|||ABAXIS, INC.^piccolo xpress^2.1.9^0000V0000D|||||||P|E 1394-97|20060401065534<CR><ETX>A9<CR><LF>
<STX>2P|1|ID LEVEL II||||||U|||||||^^|Control||||||||||<CR><ETX>21<CR><LF>
<STX>3O|1|||||20060401063314||||87654321098765||||||87654321098765|||||||||Q<CR><ETX>BA<CR><LF>
<STX>4C|1|I|^46FF FFFF^Run Count¥^7DFF FFFF^Abort Count|I<CR><ETX>CF<CR><LF>
<STX>5C|2|I|^28FF FFFF^Print Count¥^5D19 6FFF^Flash Count|I<CR><ETX>9D<CR><LF>
<STX>6C|3|I|^0000^DAC Trim Flags¥^0000^Offset Error Flags¥^0000 0000^System Flags|I<CR><ETX>0B<CR><LF>
<STX>7C|4|I|^0000 0000^Bead Check 1 Flags¥^0000 0000^Bead Check 2 Flags|I<CR><ETX>E5<CR><LF>
<STX>0C|5|I|^0000 0000^Empty Cuvette Flags¥^0000 0000^Distribution Check Flags|I<CR><ETX>75<CR><LF>
<STX>1C|6|I|^0000^Quality Control Flags¥^0000^Offset SD Error Flags¥^0000^Wavelength CV Flags|I<CR><ETX>8F<CR><LF>
<STX>2C|7|I|^4055^BARCODE ERROR|I<CR><ETX>62<CR><LF>
<STX>3L|1|N<CR><ETX>06<CR><LF>

```
<STX>1H|¥^&|||ABAXIS, INC.^piccolo xpress^2.1.9^0000V0000D||||||P|E 1394-97|20060401065536<CR><ETX>AB<CR><LF>
<STX>2P|1|76543210987654||||||U||||||^^|||||||||||<CR><ETX>21<CR><LF>
<STX>3O|1|||||20060401063833||||76543210987654||||||76543210987654|||||||||Q<CR><ETX>B8<CR><LF>
<STX>4C|1|I|^46FF FFFF^Run Count¥^7DFF FFFF^Abort Count|I<CR><ETX>CF<CR><LF>
<STX>5C|2|I|^28FF FFFF^Print Count¥^5D19 6FFF^Flash Count|I<CR><ETX>9D<CR><LF>
<STX>6C|3|I|^0000^DAC Trim Flags¥^0000^Offset Error Flags¥^0000 0000^System Flags|I<CR><ETX>0B<CR><LF>
<STX>7C|4|I|^0000 0000^Bead Check 1 Flags¥^0000 0000^Bead Check 2 Flags|I<CR><ETX>E5<CR><LF>
<STX>0C|5|I|^0000 0000^Empty Cuvette Flags¥^0000 0000^Distribution Check Flags|I<CR><ETX>75<CR><LF>
<STX>1C|6|I|^0000^Quality Control Flags¥^0000^Offset SD Error Flags¥^0000^Wavelength CV Flags|I<CR><ETX>8F<CR><LF>
<STX>2C|7|I|^4055^BARCODE ERROR|I<CR><ETX>62<CR><LF>
<STX>3L|1|N<CR><ETX>06<CR><LF>
```

*** Example (LIS to Abaxis) Query message ***
*** patient ID 12345678901234, only rotor with matching patient ID query results sent below ***

```
<STX>1H|¥^&|||Heisenberg|Union City||510-675-6500<CR><ETX>9E<CR><LF>
<STX>2Q|1|12345678901234<CR><ETX>93<CR><LF>
<STX>3L|1<CR><ETX>3C<CR><LF>
```

```
<STX>1H|¥^&|||ABAXIS, INC.^piccolo xpress^2.1.9^0000V0000D||||||P|E 1394-97|20060401065609<CR><ETX>AC<CR><LF>
<STX>2P|1|12345678901234|44444|33333|||19530225|M|||||789-012-3456||88888^53 Yrs.^|Patient||||||||||66666<CR><ETX>21<CR><LF>
<STX>3O|1|||||20060401062445||||12345678901234||||||12345678901234|||||||||Q<CR><ETX>9E<CR><LF>
<STX>4C|1|I|^46FF FFFF^Run Count¥^7DFF FFFF^Abort Count|I<CR><ETX>CF<CR><LF>
<STX>5C|2|I|^28FF FFFF^Print Count¥^5D19 6FFF^Flash Count|I<CR><ETX>9D<CR><LF>
<STX>6C|3|I|^0000^DAC Trim Flags¥^0000^Offset Error Flags¥^0000 0000^System Flags|I<CR><ETX>0B<CR><LF>
<STX>7C|4|I|^0000 0000^Bead Check 1 Flags¥^0000 0000^Bead Check 2 Flags|I<CR><ETX>E5<CR><LF>
<STX>0C|5|I|^0000 0000^Empty Cuvette Flags¥^0000 0000^Distribution Check Flags|I<CR><ETX>75<CR><LF>
<STX>1C|6|I|^0000^Quality Control Flags¥^0000^Offset SD Error Flags¥^0000^Wavelength CV Flags|I<CR><ETX>8F<CR><LF>
<STX>2C|7|I|^4055^BARCODE ERROR|I<CR><ETX>62<CR><LF>
<STX>3L|1|N<CR><ETX>06<CR><LF>
```

*** Example (LIS to Abaxis) Query message ***
*** patient ID 87654321098765, no rotor with matching patient ID exists so no query results sent below ***

```
<STX>1H|¥^&|||Heisenberg|Union City||510-675-6500<CR><ETX>9E<CR><LF>
<STX>2Q|1|87654321098765<CR><ETX>A3<CR><LF>
<STX>3L|1<CR><ETX>3C<CR><LF>
```

```
<STX>1H|¥^&|||ABAXIS, INC.^piccolo xpress^2.1.9^0000V0000D||||||P|E 1394-97|20060401065710<CR><ETX>A5<CR><LF>
<STX>2P|1|87654321098765<CR><ETX>A2<CR><LF>
<STX>3O|1||||||||||||||||||||||||Z<CR><ETX>39<CR><LF>
<STX>4C|1|I|^^87654321098765::::No Results for this Query|G<CR><ETX>CD<CR><LF>
<STX>5L|1|I<CR><ETX>03<CR><LF>
```

*** Example (LIS to Abaxis) Query message ***
*** patient ID level ii, rotor with matching patient ID level ii exists so query results sent below ***

```
<STX>1H|¥^&|||Heisenberg|Union City||510-675-6500<CR><ETX>9E<CR><LF>
<STX>2Q|1|level ii<CR><ETX>C6<CR><LF>
<STX>3L|1<CR><ETX>3C<CR><LF>
```

```
<STX>1H|¥^&|||ABAXIS, INC.^piccolo xpress^2.1.9^0000V0000D|||||||P|E 1394-97|20060401065826<CR><ETX>AD<CR><LF>
<STX>2P|1|ID LEVEL II||||||U|||||||^^|Control||||||||||<CR><ETX>21<CR><LF>
<STX>3O|1|||||20060401063314||||87654321098765||||||87654321098765|||||||||Q<CR><ETX>BA<CR><LF>
<STX>4C|1|I|^46FF FFFF^Run Count¥^7DFF FFFF^Abort Count|I<CR><ETX>CF<CR><LF>
<STX>5C|2|I|^28FF FFFF^Print Count¥^5D19 6FFF^Flash Count|I<CR><ETX>9D<CR><LF>
<STX>6C|3|I|^0000^DAC Trim Flags¥^0000^Offset Error Flags¥^0000 0000^System Flags|I<CR><ETX>0B<CR><LF>
<STX>7C|4|I|^0000 0000^Bead Check 1 Flags¥^0000 0000^Bead Check 2 Flags|I<CR><ETX>E5<CR><LF>
<STX>0C|5|I|^0000 0000^Empty Cuvette Flags¥^0000 0000^Distribution Check Flags|I<CR><ETX>75<CR><LF>
<STX>1C|6|I|^0000^Quality Control Flags¥^0000^Offset SD Error Flags¥^0000^Wavelength CV Flags|I<CR><ETX>8F<CR><LF>
<STX>2C|7|I|^4055^BARCODE ERROR|I<CR><ETX>62<CR><LF>
<STX>3L|1|N<CR><ETX>06<CR><LF>
```

*** Example (Abaxis to LIS) sign on comment message ***
*** piccolo xpress software version 2.1.9, serial # 0000V0000D, DEMO at 2006 04/01 07:18:33 ***

```
<STX>1H|¥^&|||ABAXIS, INC.^piccolo xpress^2.1.9^0000V0000D|||||||D|E 1394-97|20060401071833<CR><ETX>EC<CR><LF>
<STX>2C|1|I|^^Power Up Initialization Sign On|G<CR><ETX>5A<CR><LF>
<STX>3L|1|N<CR><ETX>06<CR><LF>
```

*** Example (Abaxis to LIS) sign on comment message ***
*** VetScan VS2 software version 2.1.9, serial # 0000V0000D, DEMO at 2006 04/01 07:18:33 ***

```
<STX>1H|¥^&|||ABAXIS, INC.^VetScan VS2^2.1.9^0000V0000D|||||||D|E 1394-97|20060401071833<CR><ETX>EC<CR><LF>
<STX>2C|1|I|^^Power Up Initialization Sign On|G<CR><ETX>5A<CR><LF>
<STX>3L|1|N<CR><ETX>06<CR><LF>
```

*** Example (Abaxis to LIS) rotor results message ***
*** piccolo express, patient ID 22222, MALE, METLYTE 8, operator ID 1, doctor ID 1 ***
*** sample ID 44444, alternate ID 33333, birthdate 2/25/1953, MALE, phone number 789-012-3456, admission ID 88888, age 53 years
*** reference range label Patient, location 66666

```
<STX>1H|¥^&|||ABAXIS, INC.^piccolo xpress^2.1.9^0000V0000D|||||||D|E 1394-97|20061009072501<CR><ETX>E5<CR><LF>
<STX>2P|1|22222|44444|33333|||19530225|M||||789-012-3456||88888^53 Yrs.^|Patient|||||||||66666<CR><ETX>21<CR><LF>
<STX>3O|1|||^^METLYTE 8: 4300D||20061009072019||||1||||||1||||||||||F<CR><ETX>40<CR><LF>
<STX>4C|1|I|^^INST QC: OK    CHEM QC: OK|G<CR><ETX>1F<CR><LF>
<STX>5C|2|I|^^HEM: -32 LIP: 210 ICT:    5|G<CR><ETX>1D<CR><LF>
<STX>6C|3|I|^^|G<CR><ETX>1D<CR><LF>
```

```
<STX>7C|4|I|^^Operator Renewal Required|G<CR><ETX>6A<CR><LF>
<STX>0C|5|I|^^|G<CR><ETX>7D<CR><LF>
<STX>1R|1|2345-7^^LN^Glucose SerPl-mCnc|HEM|mg/dl|73 to 118|<CR><ETX>F1<CR><LF>
<STX>2C|1|I|42BF 0000^0E00 0000^Hemolysis Limit Error|I<CR><ETX>82<CR><LF>
<STX>3R|2|3094-0^^LN^BUN SerPl-mCnc|15|mg/dl|7 to 22|N<CR><ETX>6B<CR><LF>
<STX>4R|3|2160-0^^LN^Creat SerPl-mCnc|LIP|mg/dl|0.6 to 1.2|<CR><ETX>2B<CR><LF>
<STX>5C|1|I|3F66 6666^0600 0000^Lipemic Limit Error|I<CR><ETX>83<CR><LF>
<STX>6R|4|2157-6^^LN^CK SerPl-cCnc|115|units/l|39 to 380|N<CR><ETX>AC<CR><LF>
<STX>7R|5|2951-2^^LN^Sodium SerPl-sCnc|ICT|mmol/l|128 to 145|<CR><ETX>4A<CR><LF>
<STX>0C|1|I|4308 8000^0200 0000^Icteric Limit Error|I<CR><ETX>5C<CR><LF>
<STX>1R|6|2823-3^^LN^Potassium SerPl-sCnc|4.0|mmol/l|3.6 to 5.1|N<CR><ETX>96<CR><LF>
<STX>2R|7|2075-0^^LN^Chloride SerPl-sCnc|^^^|mmol/l|98 to 108|><CR><ETX>B0<CR><LF>
<STX>3C|1|I|461C 4000^0008 0000^Concentration > High System Limit|I<CR><ETX>75<CR><LF>
<STX>4R|8|2028-9^^LN^CO2 SerPl-sCnc|26|mmol/l|18 to 33|N<CR><ETX>0F<CR><LF>
<STX>50|2|||^^^* QUALITY CONTROL REPORT *: 4300D||20061009072019||||1||||||1|||||||||F<CR><ETX>BE<CR><LF>
<STX>6C|1|I|^^CHEMISTRY QC:          0|G<CR><ETX>29<CR><LF>
<STX>7C|2|I|^^ACCEPTABLE MINIMUM:    50|G<CR><ETX>14<CR><LF>
<STX>0R|1|^^^LEVEL 1: IQC 1|102||90 to 110|<CR><ETX>CC<CR><LF>
<STX>1R|2|^^^LEVEL 1: IQC 2|101||90 to 110|<CR><ETX>CE<CR><LF>
<STX>2R|3|^^^LEVEL 1: IQC 3|102||90 to 110|<CR><ETX>D2<CR><LF>
<STX>3R|4|^^^LEVEL 1: IQC 4|102||90 to 110|<CR><ETX>CD<CR><LF>
<STX>4R|5|^^^LEVEL 1: IQC 5|103||90 to 110|<CR><ETX>D1<CR><LF>
<STX>5R|6|^^^LEVEL 1: IQC 6|106||90 to 110|<CR><ETX>D7<CR><LF>
<STX>6R|7|^^^LEVEL 1: IQC 7|109||90 to 110|<CR><ETX>DD<CR><LF>
<STX>7R|8|^^^LEVEL 1: IQC 8|108||90 to 110|<CR><ETX>DF<CR><LF>
<STX>0R|9|^^^LEVEL 2: PRE|100||95 to 105|<CR><ETX>95<CR><LF>
<STX>1R|10|^^^LEVEL 2: 340 nm|98||95 to 105|<CR><ETX>49<CR><LF>
<STX>2R|11|^^^LEVEL 2: 405 nm|99||95 to 105|<CR><ETX>4E<CR><LF>
<STX>3R|12|^^^LEVEL 2: 467 nm|99||95 to 105|<CR><ETX>50<CR><LF>
<STX>4R|13|^^^LEVEL 2: 500 nm|99||95 to 105|<CR><ETX>46<CR><LF>
<STX>5R|14|^^^LEVEL 2: 515 nm|99||95 to 105|<CR><ETX>4E<CR><LF>
<STX>6R|15|^^^LEVEL 2: 550 nm|98||95 to 105|<CR><ETX>4E<CR><LF>
<STX>7R|16|^^^LEVEL 2: 600 nm|97||95 to 105|<CR><ETX>4B<CR><LF>
<STX>0R|17|^^^LEVEL 2: 630 nm|100||95 to 105|<CR><ETX>71<CR><LF>
<STX>1L|1|N<CR><ETX>09<CR><LF>


*** Example (Abaxis to LIS) rotor results message ***
*** VetScan VS2, patient ID 22222, MALE, Critical Care Profile, operator ID 2, doctor ID 2 ***
*** sample ID 44444, alternate ID 33333, birthdate 6/30/1999, MALE, phone number 789-012-3456
*** owner ID 88888, age 7 years, last vaccination 5/31/06, reference range label Dog, location 66666

<STX>1H|¥^&|||ABAXIS, INC.^VetScan VS2^2.1.9^0000V0000D||||||D|E 1394-97|20061009072501<CR><ETX>E5<CR><LF>
<STX>2P|1|22222|44444|33333|||19990630|M||||789-012-3456||88888^7 Yrs.^20060531|Dog|||||||||66666<CR><ETX>21<CR><LF>
<STX>30|1|||^^^Critical Care Profile: 0029A||20061009072019||||2||||||2|||||||||F<CR><ETX>42<CR><LF>
<STX>4C|1|I|^^INST QC: OK    CHEM QC: OK|G<CR><ETX>1F<CR><LF>
<STX>5C|2|I|^^HEM: -32 LIP: 210 ICT:    5|G<CR><ETX>1D<CR><LF>
<STX>6C|3|I|^^|G<CR><ETX>1D<CR><LF>
<STX>7C|4|I|^^Operator Renewal Required|G<CR><ETX>EA<CR><LF>
```

<STX>0C|5|I|^^|G<CR><ETX>7D<CR><LF>
<STX>1R|1|1742-6^^LN^ALT SerPl-cCnc|20|U/L|20 to 100|N<CR><ETX>B2<CR><LF>
<STX>2R|2|2345-7^^LN^Glucose SerPl-mCnc|90|mg/dL|70 to 150|N<CR><ETX>A4<CR><LF>
<STX>3R|3|3094-0^^LN^BUN SerPl-mCnc|18|mg/dL|10 to 30|N<CR><ETX>7B<CR><LF>
<STX>4R|4|2160-0^^LN^Creat SerPl-mCnc|0.9|mg/dL|0.3 to 2.1|N<CR><ETX>0C<CR><LF>
<STX>5R|5|2951-2^^LN^Sodium SerPl-sCnc|144|mmol/L|142 to 164|N<CR><ETX>2F<CR><LF>
<STX>6R|6|2823-3^^LN^Potassium SerPl-sCnc|4.5|mmol/L|3.7 to 5.8|N<CR><ETX>83<CR><LF>
<STX>7R|7|2028-9^^LN^CO2 SerPl-sCnc|22|mmol/L|15 to 24|N<CR><ETX>ED<CR><LF>
<STX>00|2|||^^^* QUALITY CONTROL REPORT *: 4300D||20061009072019||||1|||||||1||||||||||F<CR><ETX>BE<CR><LF>
<STX>1C|1|I|^^CHEMISTRY QC: 0|G<CR><ETX>29<CR><LF>
<STX>2C|2|I|^^ACCEPTABLE MINIMUM: 50|G<CR><ETX>14<CR><LF>
<STX>3R|1|^^^LEVEL 1: IQC 1|102||90 to 110|<CR><ETX>CC<CR><LF>
<STX>4R|2|^^^LEVEL 1: IQC 2|101||90 to 110|<CR><ETX>CE<CR><LF>
<STX>5R|3|^^^LEVEL 1: IQC 3|102||90 to 110|<CR><ETX>D2<CR><LF>
<STX>6R|4|^^^LEVEL 1: IQC 4|102||90 to 110|<CR><ETX>CD<CR><LF>
<STX>7R|5|^^^LEVEL 1: IQC 5|103||90 to 110|<CR><ETX>D1<CR><LF>
<STX>0R|6|^^^LEVEL 1: IQC 6|106||90 to 110|<CR><ETX>D7<CR><LF>
<STX>1R|7|^^^LEVEL 1: IQC 7|109||90 to 110|<CR><ETX>DD<CR><LF>
<STX>2R|8|^^^LEVEL 1: IQC 8|108||90 to 110|<CR><ETX>DF<CR><LF>
<STX>3L|1|N<CR><ETX>09<CR><LF>

*** Example (LIS to Abaxis) Query message ***
*** patient ID 2, matching patient ID exists so query results sent below (FEMALE sample verification issue) ***

<STX>1H|¥^&|||Heisenberg|Union City||510-675-6500<CR><ETX>9E<CR><LF>
<STX>2Q|1|2<CR><ETX>EE<CR><LF>
<STX>3L|1<CR><ETX>3C<CR><LF>

<STX>1H|¥^&|||ABAXIS, INC.^piccolo xpress^2.1.9^0000V0000D||||||D|E 1394-97|20060401142451<CR><ETX>E7<CR><LF>
<STX>2P|1|2|44444|33333|||19530225|F||||789-012-3456|88888^53 Yrs.^|Patient|||||||||66666<CR><ETX>21<CR><LF>
<STX>30|1|||^^^METLYTE 8: SS BT||20060401133051||||2||||||2||||||||||Q<CR><ETX>98<CR><LF>
<STX>4C|1|I|^^INST QC: OK   CHEM QC: OK|G<CR><ETX>1F<CR><LF>
<STX>5C|2|I|^^HEM: 181 LIP: 301 ICT: 12|G<CR><ETX>34<CR><LF>
<STX>6C|3|I|^^@ CONFIRM LOW RECOVERIES @|G<CR><ETX>EF<CR><LF>
<STX>7C|4|I|^^Operator Renewal Required|G<CR><ETX>6A<CR><LF>
<STX>0C|5|I|^^|G<CR><ETX>7D<CR><LF>
<STX>1R|1|2345-7^^LN^Glucose SerPl-mCnc|20@|mg/dl|73 to 118|L<CR><ETX>06<CR><LF>
<STX>2C|1|I|419E 6666^0000 0200^@ CONFIRM LOW RECOVERIES @|I<CR><ETX>66<CR><LF>
<STX>3R|2|3094-0^^LN^BUN SerPl-mCnc|3@|mg/dl|7 to 22|L<CR><ETX>77<CR><LF>
<STX>4C|1|I|402C CCCD^0000 0200^@ CONFIRM LOW RECOVERIES @|I<CR><ETX>93<CR><LF>
<STX>5R|3|2160-0^^LN^Creat SerPl-mCnc|<0.2@|mg/dl|0.6 to 1.2|<<CR><ETX>90<CR><LF>
<STX>6C|1|I|3E29 FBE7^0000 0200^@ CONFIRM LOW RECOVERIES @|I<CR><ETX>96<CR><LF>
<STX>7R|4|2157-6^^LN^CK SerPl-cCnc|<5@|units/l|30 to 190|<<CR><ETX>AC<CR><LF>
<STX>0C|1|I|4080 0000^0000 0200^@ CONFIRM LOW RECOVERIES @|I<CR><ETX>3D<CR><LF>
<STX>1R|5|2951-2^^LN^Sodium SerPl-sCnc|^^^@|mmol/l|128 to 145|<<CR><ETX>63<CR><LF>
<STX>2C|1|I|41DE 6666^0000 0200^@ CONFIRM LOW RECOVERIES @|I<CR><ETX>71<CR><LF>
<STX>3R|6|2823-3^^LN^Potassium SerPl-sCnc|<1.5@|mmol/l|3.6 to 5.1|<<CR><ETX>FD<CR><LF>
<STX>4C|1|I|3F54 7AE1^0000 0200^@ CONFIRM LOW RECOVERIES @|I<CR><ETX>7D<CR><LF>
<STX>5R|7|2075-0^^LN^Chloride SerPl-sCnc|^^^@|mmol/l|98 to 108|<<CR><ETX>EA<CR><LF>
<STX>6C|1|I|41A8 0000^0000 0200^@ CONFIRM LOW RECOVERIES @|I<CR><ETX>4D<CR><LF>
<STX>7R|8|2028-9^^LN^CO2 SerPl-sCnc|5@|mmol/l|18 to 33|L<CR><ETX>1E<CR><LF>

```
<STX>0C|1|I|40A1 47AE^0000 0200^@ CONFIRM LOW RECOVERIES @|I<CR><ETX>78<CR><LF>
<STX>10|2|||^^* QUALITY CONTROL REPORT *: SS BT||20060401133051||||2||||||2|||||||||Q<CR><ETX>1B<CR><LF>
<STX>2C|1|I|^^CHEMISTRY QC:          0|G<CR><ETX>26<CR><LF>
<STX>3C|2|I|^^ACCEPTABLE MINIMUM:    50|G<CR><ETX>11<CR><LF>
<STX>4R|1|^^^LEVEL 1: IQC 1|102||90 to 110|<CR><ETX>C9<CR><LF>
<STX>5R|2|^^^LEVEL 1: IQC 2|101||90 to 110|<CR><ETX>CB<CR><LF>
<STX>6R|3|^^^LEVEL 1: IQC 3|102||90 to 110|<CR><ETX>CF<CR><LF>
<STX>7R|4|^^^LEVEL 1: IQC 4|102||90 to 110|<CR><ETX>D2<CR><LF>
<STX>0R|5|^^^LEVEL 1: IQC 5|103||90 to 110|<CR><ETX>D6<CR><LF>
<STX>1R|6|^^^LEVEL 1: IQC 6|106||90 to 110|<CR><ETX>DC<CR><LF>
<STX>2R|7|^^^LEVEL 1: IQC 7|109||90 to 110|<CR><ETX>DA<CR><LF>
<STX>3R|8|^^^LEVEL 1: IQC 8|108||90 to 110|<CR><ETX>DC<CR><LF>
<STX>4R|9|^^^LEVEL 2: PRE|100||95 to 105|<CR><ETX>92<CR><LF>
<STX>5R|10|^^^LEVEL 2: 340 nm|98||95 to 105|<CR><ETX>46<CR><LF>
<STX>6R|11|^^^LEVEL 2: 405 nm|99||95 to 105|<CR><ETX>4B<CR><LF>
<STX>7R|12|^^^LEVEL 2: 467 nm|99||95 to 105|<CR><ETX>55<CR><LF>
<STX>0R|13|^^^LEVEL 2: 500 nm|99||95 to 105|<CR><ETX>4B<CR><LF>
<STX>1R|14|^^^LEVEL 2: 515 nm|99||95 to 105|<CR><ETX>53<CR><LF>
<STX>2R|15|^^^LEVEL 2: 550 nm|98||95 to 105|<CR><ETX>4B<CR><LF>
<STX>3R|16|^^^LEVEL 2: 600 nm|97||95 to 105|<CR><ETX>48<CR><LF>
<STX>4R|17|^^^LEVEL 2: 630 nm|100||95 to 105|<CR><ETX>6E<CR><LF>
<STX>5L|1|N<CR><ETX>06<CR><LF>
```

*** Example (LIS to Abaxis) Query message ***
*** patient ID 3, matching patient ID exists so query results sent below ***

```
<STX>1H|¥^&|||Heisenberg|Union City||510-675-6500<CR><ETX>9E<CR><LF>
<STX>2Q|1|3<CR><ETX>EF<CR><LF>
<STX>3L|1<CR><ETX>3C<CR><LF>


<STX>1H|¥^&|||ABAXIS, INC.^piccolo xpress^2.1.9^0000V0000D||||||D|E 1394-97|20060401142841<CR><ETX>EA<CR><LF>
<STX>2P|1|3|44444|33333||19530225|M||||789-012-3456||88888^53 Yrs.^|Patient||||||||||66666<CR><ETX>21<CR><LF>
<STX>30|1|||^^BASIC METABOLIC PANEL: 4400D||20060401133822||||3||||||3||||||||||Q<CR><ETX>76<CR><LF>
<STX>4C|1|I|^^INST QC: OK    CHEM QC: OK|G<CR><ETX>1F<CR><LF>
<STX>5C|2|I|^^HEM:  -32 LIP: 210  ICT:     5|G<CR><ETX>1D<CR><LF>
<STX>6C|3|I|^^|G<CR><ETX>1D<CR><LF>
<STX>7C|4|I|^^Unauthorized Operator|G<CR><ETX>8F<CR><LF>
<STX>0C|5|I|^^|G<CR><ETX>7D<CR><LF>
<STX>1R|1|2345-7^^LN^Glucose SerPl-mCnc|96|mg/dl|73 to 118|N<CR><ETX>D4<CR><LF>
<STX>2R|2|3094-0^^LN^BUN SerPl-mCnc|15|mg/dl|7 to 22|N<CR><ETX>72<CR><LF>
<STX>3R|3|17861-6^^LN^Calcium SerPl-mCnc|HEM|mg/dl|8.0 to 10.3|<CR><ETX>65<CR><LF>
<STX>4C|1|I|4112 6666^0E00 0000^Hemolysis Limit Error|I<CR><ETX>6E<CR><LF>
<STX>5R|4|2160-0^^LN^Creat SerPl-mCnc|0.9|mg/dl|0.6 to 1.2|N<CR><ETX>2D<CR><LF>
<STX>6R|5|2951-2^^LN^Sodium SerPl-sCnc|ICT|mmol/l|128 to 145|<CR><ETX>49<CR><LF>
<STX>7C|1|I|4308 8000^0200 0000^Icteric Limit Error|I<CR><ETX>5B<CR><LF>
<STX>0R|6|2823-3^^LN^Potassium SerPl-sCnc|4.0|mmol/l|3.6 to 5.1|N<CR><ETX>95<CR><LF>
<STX>1R|7|2075-0^^LN^Chloride SerPl-sCnc|^^^|mmol/l|98 to 108|<CR><ETX>71<CR><LF>
<STX>2C|1|I|42CD 22B7^0000 0001^Chemistry Specific Error|I<CR><ETX>AC<CR><LF>
<STX>3R|8|2028-9^^LN^CO2 SerPl-sCnc|26|mmol/l|18 to 33|N<CR><ETX>0E<CR><LF>
```

```
<STX>40|2|||^^^* QUALITY CONTROL REPORT *: 4400D||20060401133822||||3||||||3|||||||||Q<CR><ETX>CD<CR><LF>
<STX>5C|1|I|^^CHEMISTRY QC:              0|G<CR><ETX>28<CR><LF>
<STX>6C|2|I|^^ACCEPTABLE MINIMUM:     50|G<CR><ETX>13<CR><LF>
<STX>7R|1|^^^LEVEL 1: IQC 1|102||90 to 110|<CR><ETX>CB<CR><LF>
<STX>0R|2|^^^LEVEL 1: IQC 2|101||90 to 110|<CR><ETX>CD<CR><LF>
<STX>1R|3|^^^LEVEL 1: IQC 3|102||90 to 110|<CR><ETX>D1<CR><LF>
<STX>2R|4|^^^LEVEL 1: IQC 4|102||90 to 110|<CR><ETX>D4<CR><LF>
<STX>3R|5|^^^LEVEL 1: IQC 5|103||90 to 110|<CR><ETX>D0<CR><LF>
<STX>4R|6|^^^LEVEL 1: IQC 6|106||90 to 110|<CR><ETX>D6<CR><LF>
<STX>5R|7|^^^LEVEL 1: IQC 7|109||90 to 110|<CR><ETX>DC<CR><LF>
<STX>6R|8|^^^LEVEL 1: IQC 8|108||90 to 110|<CR><ETX>DE<CR><LF>
<STX>7R|9|^^^LEVEL 2: PRE|100||95 to 105|<CR><ETX>94<CR><LF>
<STX>0R|10|^^^LEVEL 2: 340 nm|98||95 to 105|<CR><ETX>48<CR><LF>
<STX>1R|11|^^^LEVEL 2: 405 nm|99||95 to 105|<CR><ETX>4D<CR><LF>
<STX>2R|12|^^^LEVEL 2: 467 nm|99||95 to 105|<CR><ETX>57<CR><LF>
<STX>3R|13|^^^LEVEL 2: 500 nm|99||95 to 105|<CR><ETX>45<CR><LF>
<STX>4R|14|^^^LEVEL 2: 515 nm|99||95 to 105|<CR><ETX>4D<CR><LF>
<STX>5R|15|^^^LEVEL 2: 550 nm|98||95 to 105|<CR><ETX>4D<CR><LF>
<STX>6R|16|^^^LEVEL 2: 600 nm|97||95 to 105|<CR><ETX>4A<CR><LF>
<STX>7R|17|^^^LEVEL 2: 630 nm|100||95 to 105|<CR><ETX>70<CR><LF>
<STX>0L|1|N<CR><ETX>08<CR><LF>
```

*** Assume proceed with cleared database ***

*** Example (Abaxis to LIS) rotor results message ***
*** patient ID LEVEL V, CONTROL, ELECTROLYTE PANEL, operator ID 4, doctor ID 4 ***

```
<STX>1H|¥^&|||ABAXIS, INC.^piccolo xpress^2.1.9^0000V0000D||||||D|E 1394-97|20060401143301<CR><ETX>E2<CR><LF>
<STX>2P|1|LEVEL V||||||U||||||^^|Control|||||||||||<CR><ETX>21<CR><LF>
<STX>30|1||||^^^ELECTROLYTE PANEL: 4200D||20060401142819||||4||||||4|||||||||F<CR><ETX>AB<CR><LF>
<STX>4C|1|I|^^INST QC: OK    CHEM QC: OK|G<CR><ETX>1F<CR><LF>
<STX>5C|2|I|^^HEM:  -32  LIP: 210  ICT:    5|G<CR><ETX>1D<CR><LF>
<STX>6C|3|I|^^|G<CR><ETX>1D<CR><LF>
<STX>7C|4|I|^^|G<CR><ETX>2C<CR><LF>
<STX>0C|5|I|^^Control Renewal Required|G<CR><ETX>7D<CR><LF>
<STX>1R|1|2951-2^^LN^Sodium SerPl-sCnc|ICT|mmol/l||<CR><ETX>F0<CR><LF>
<STX>2C|1|I|4308 8000^0200 0000^Icteric Limit Error|I<CR><ETX>5E<CR><LF>
<STX>3R|2|2823-3^^LN^Potassium SerPl-sCnc|LIP|mmol/l||<CR><ETX>43<CR><LF>
<STX>4C|1|I|4096 6666^0600 0000^Lipemic Limit Error|I<CR><ETX>70<CR><LF>
<STX>5R|3|2075-0^^LN^Chloride SerPl-sCnc|^^^|mmol/l||><CR><ETX>7A<CR><LF>
<STX>6C|1|I|47C3 5000^0008 0000^Concentration > High System Limit|I<CR><ETX>7C<CR><LF>
<STX>7R|4|2028-9^^LN^CO2 SerPl-sCnc|^^^|mmol/l||<CR><ETX>E0<CR><LF>
<STX>0C|1|I|41CC 0000^0020 0080^False Rate (Unexpected Reaction Occurred)|I<CR><ETX>35<CR><LF>
<STX>10|2|||^^^* QUALITY CONTROL REPORT *: 4200D||20060401142819||||4||||||4|||||||||F<CR><ETX>CD<CR><LF>
<STX>2C|1|I|^^CHEMISTRY QC:              0|G<CR><ETX>2D<CR><LF>
<STX>3C|2|I|^^ACCEPTABLE MINIMUM:     50|G<CR><ETX>10<CR><LF>
<STX>4R|1|^^^LEVEL 1: IQC 1|102||90 to 110|<CR><ETX>C8<CR><LF>
```

```
<STX>5R|2|^^^LEVEL 1: IQC 2|101||90 to 110|<CR><ETX>CA<CR><LF>
<STX>6R|3|^^^LEVEL 1: IQC 3|102||90 to 110|<CR><ETX>CE<CR><LF>
<STX>7R|4|^^^LEVEL 1: IQC 4|102||90 to 110|<CR><ETX>D1<CR><LF>
<STX>0R|5|^^^LEVEL 1: IQC 5|103||90 to 110|<CR><ETX>D5<CR><LF>
<STX>1R|6|^^^LEVEL 1: IQC 6|106||90 to 110|<CR><ETX>DB<CR><LF>
<STX>2R|7|^^^LEVEL 1: IQC 7|109||90 to 110|<CR><ETX>E1<CR><LF>
<STX>3R|8|^^^LEVEL 1: IQC 8|108||90 to 110|<CR><ETX>DB<CR><LF>
<STX>4R|9|^^^LEVEL 2: PRE|101||95 to 105|<CR><ETX>92<CR><LF>
<STX>5R|10|^^^LEVEL 2: 340 nm|98||95 to 105|<CR><ETX>45<CR><LF>
<STX>6R|11|^^^LEVEL 2: 405 nm|99||95 to 105|<CR><ETX>4A<CR><LF>
<STX>7R|12|^^^LEVEL 2: 467 nm|99||95 to 105|<CR><ETX>54<CR><LF>
<STX>0R|13|^^^LEVEL 2: 500 nm|99||95 to 105|<CR><ETX>4A<CR><LF>
<STX>1R|14|^^^LEVEL 2: 515 nm|99||95 to 105|<CR><ETX>52<CR><LF>
<STX>2R|15|^^^LEVEL 2: 550 nm|98||95 to 105|<CR><ETX>52<CR><LF>
<STX>3R|16|^^^LEVEL 2: 600 nm|97||95 to 105|<CR><ETX>47<CR><LF>
<STX>4R|17|^^^LEVEL 2: 630 nm|101||95 to 105|<CR><ETX>6E<CR><LF>
<STX>5L|1|N<CR><ETX>05<CR><LF>
```

*** Example (Abaxis to LIS) rotor results message ***
*** patient ID 5, MALE, GENERAL CHEMISTRY 12, operator ID 5, doctor ID 5 ***

```
<STX>1H|¥^&|||ABAXIS, INC.^piccolo xpress^2.1.9^0000V0000D|||||||D|E 1394-97|20060401144000<CR><ETX>DF<CR><LF>
<STX>2P|1|5|44444|33333||||19530225|M|||||789-012-3456||88888^53 Yrs.^|Patient|||||||||66666<CR><ETX>21<CR><LF>
<STX>3O|1|||^^^GENERAL CHEMISTRY 12: 1700D||20060401143518||||5|||||||5|||||||||F<CR><ETX>29<CR><LF>
<STX>4C|1|I|^^INST QC: OK    CHEM QC: OK|G<CR><ETX>1F<CR><LF>
<STX>5C|2|I|^^HEM:   24 LIP:  166 ICT:    1|G<CR><ETX>17<CR><LF>
<STX>6C|3|I|^^|G<CR><ETX>1D<CR><LF>
<STX>7C|4|I|^^|G<CR><ETX>1F<CR><LF>
<STX>0C|5|I|^^|G<CR><ETX>19<CR><LF>
<STX>1R|1|1751-7^^LN^Alb SerPl-mCnc|ICT|g/dl|3.3 to 5.5|<CR><ETX>EF<CR><LF>
<STX>2C|1|I|408C CCCD^0200 0000^Icteric Limit Error|I<CR><ETX>B3<CR><LF>
<STX>3R|2|6768-6^^LN^ALP SerPl-cCnc|55|units/l|53 to 128|N<CR><ETX>D1<CR><LF>
<STX>4R|3|1742-6^^LN^ALT SerPl-cCnc|HEM|units/l|10 to 47|<CR><ETX>B5<CR><LF>
<STX>5C|1|I|41E4 0000^0E00 0000^Hemolysis Limit Error|I<CR><ETX>6D<CR><LF>
<STX>6R|4|1798-8^^LN^Amylase SerPl-cCnc|56|units/l|14 to 97|N<CR><ETX>98<CR><LF>
<STX>7R|5|1920-8^^LN^AST SerPl-cCnc|LIP|units/l|11 to 38|<CR><ETX>CD<CR><LF>
<STX>0C|1|I|41C4 0000^0600 0100^Lipemic Limit Error|I<CR><ETX>66<CR><LF>
<STX>1R|6|1975-2^^LN^Bilirub SerPl-mCnc|0.9|mg/dl|0.2 to 1.6|N<CR><ETX>1C<CR><LF>
<STX>2R|7|3094-0^^LN^BUN SerPl-mCnc|15|mg/dl|7 to 22|N<CR><ETX>77<CR><LF>
<STX>3R|8|17861-6^^LN^Calcium SerPl-mCnc|ICT|mg/dl|8.0 to 10.3|<CR><ETX>70<CR><LF>
<STX>4C|1|I|4112 6666^0200 0002^Icteric Limit Error|I<CR><ETX>63<CR><LF>
<STX>5R|9|2093-3^^LN^Cholest SerPl-mCnc|150|mg/dl|100 to 200|N<CR><ETX>1A<CR><LF>
<STX>6R|10|2160-0^^LN^Creat SerPl-mCnc|0.9|mg/dl|0.6 to 1.2|N<CR><ETX>5B<CR><LF>
<STX>7R|11|2345-7^^LN^Glucose SerPl-mCnc|96|mg/dl|73 to 118|N<CR><ETX>03<CR><LF>
<STX>0R|12|2885-2^^LN^Prot SerPl-mCnc|7.3|g/dl|6.4 to 8.1|N<CR><ETX>C3<CR><LF>
<STX>1O|2|||^^^* QUALITY CONTROL REPORT *: 1700D||20060401143518||||5|||||||5|||||||||F<CR><ETX>CE<CR><LF>
<STX>2C|1|I|^^CHEMISTRY QC:          0|G<CR><ETX>2D<CR><LF>
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<STX>3C|2|I|ˆˆACCEPTABLE MINIMUM:     50|G<CR><ETX>10<CR><LF>
<STX>4R|1|ˆˆˆLEVEL 1: IQC 1|102||90 to 110|<CR><ETX>C8<CR><LF>
<STX>5R|2|ˆˆˆLEVEL 1: IQC 2|102||90 to 110|<CR><ETX>CB<CR><LF>
<STX>6R|3|ˆˆˆLEVEL 1: IQC 3|102||90 to 110|<CR><ETX>CE<CR><LF>
<STX>7R|4|ˆˆˆLEVEL 1: IQC 4|102||90 to 110|<CR><ETX>D1<CR><LF>
<STX>0R|5|ˆˆˆLEVEL 1: IQC 5|101||90 to 110|<CR><ETX>D3<CR><LF>
<STX>1R|6|ˆˆˆLEVEL 1: IQC 6|101||90 to 110|<CR><ETX>D6<CR><LF>
<STX>2R|7|ˆˆˆLEVEL 1: IQC 7|106||90 to 110|<CR><ETX>DE<CR><LF>
<STX>3R|8|ˆˆˆLEVEL 1: IQC 8|108||90 to 110|<CR><ETX>DB<CR><LF>
<STX>4R|9|ˆˆˆLEVEL 2: PRE|102||95 to 105|<CR><ETX>93<CR><LF>
<STX>5R|10|ˆˆˆLEVEL 2: 340 nm|99||95 to 105|<CR><ETX>46<CR><LF>
<STX>6R|11|ˆˆˆLEVEL 2: 405 nm|100||95 to 105|<CR><ETX>69<CR><LF>
<STX>7R|12|ˆˆˆLEVEL 2: 467 nm|100||95 to 105|<CR><ETX>73<CR><LF>
<STX>0R|13|ˆˆˆLEVEL 2: 500 nm|100||95 to 105|<CR><ETX>69<CR><LF>
<STX>1R|14|ˆˆˆLEVEL 2: 515 nm|100||95 to 105|<CR><ETX>71<CR><LF>
<STX>2R|15|ˆˆˆLEVEL 2: 550 nm|98||95 to 105|<CR><ETX>52<CR><LF>
<STX>3R|16|ˆˆˆLEVEL 2: 600 nm|98||95 to 105|<CR><ETX>48<CR><LF>
<STX>4R|17|ˆˆˆLEVEL 2: 630 nm|99||95 to 105|<CR><ETX>4E<CR><LF>
<STX>5L|1|N<CR><ETX>05<CR><LF>
```

*** Example (Abaxis to LIS) rotor results message ***
*** patient ID 6, FEMALE, LIVER PANEL PLUS, operator ID 6, doctor ID 6 ***

```
<STX>1H|¥ˆ&|||ABAXIS, INC.ˆpiccolo xpressˆ2.1.9ˆ0000V0000D|||||||D|E 1394-97|20060401144524<CR><ETX>EA<CR><LF>
<STX>2P|1|6|44444|33333||19530225|F|||789-012-3456||88888ˆ53 Yrs.ˆ|Patient||||||||||66666<CR><ETX>21<CR><LF>
<STX>30|1|||ˆˆˆLIVER PANEL PLUS: 1100D||20060401144042||||6||||||6|||||||||F<CR><ETX>3B<CR><LF>
<STX>4C|1|I|ˆˆINST QC: OK    CHEM QC: OK|G<CR><ETX>1F<CR><LF>
<STX>5C|2|I|ˆˆHEM:  -32 LIP:  210 ICT:    5|G<CR><ETX>1D<CR><LF>
<STX>6C|3|I|ˆˆ|G<CR><ETX>1D<CR><LF>
<STX>7C|4|I|ˆˆ|G<CR><ETX>1F<CR><LF>
<STX>0C|5|I|ˆˆ|G<CR><ETX>19<CR><LF>
<STX>1R|1|1751-7ˆˆLNˆAlb SerPl-mCnc|ICT|g/dl|3.3 to 5.5|<CR><ETX>EF<CR><LF>
<STX>2C|1|I|408C CCCDˆ0200 0000ˆIcteric Limit Error|I<CR><ETX>B3<CR><LF>
<STX>3R|2|6768-6ˆˆLNˆALP SerPl-cCnc|55|units/l|42 to 141|N<CR><ETX>CA<CR><LF>
<STX>4R|3|1742-6ˆˆLNˆALT SerPl-cCnc|LIP|units/l|10 to 47|<CR><ETX>C0<CR><LF>
<STX>5C|1|I|41E4 0000ˆ0600 0000ˆLipemic Limit Error|I<CR><ETX>64<CR><LF>
<STX>6R|4|1798-8ˆˆLNˆAmylase SerPl-cCnc|56|units/l|14 to 97|N<CR><ETX>98<CR><LF>
<STX>7R|5|1920-8ˆˆLNˆAST SerPl-cCnc|<5*|units/l|11 to 38|<<CR><ETX>BF<CR><LF>
<STX>0C|1|I|41C4 0000ˆ0001 0000ˆConcentration < Low Dynamic Limit|I<CR><ETX>5D<CR><LF>
<STX>1R|6|1975-2ˆˆLNˆBilirub SerPl-mCnc|0.9|mg/dl|0.2 to 1.6|N<CR><ETX>1C<CR><LF>
<STX>2R|7|2324-2ˆˆLNˆGGT SerPl-cCnc|35|units/l|5 to 65|N<CR><ETX>69<CR><LF>
<STX>3R|8|2885-2ˆˆLNˆProt SerPl-mCnc|7.3|g/dl|6.4 to 8.1|N<CR><ETX>93<CR><LF>
<STX>40|2|||ˆˆˆ* QUALITY CONTROL REPORT *: 1100D||20060401144042||||6||||||6|||||||||F<CR><ETX>BE<CR><LF>
<STX>5C|1|I|ˆˆCHEMISTRY QC:            0|G<CR><ETX>28<CR><LF>
<STX>6C|2|I|ˆˆACCEPTABLE MINIMUM:     50|G<CR><ETX>13<CR><LF>
<STX>7R|1|ˆˆˆLEVEL 1: IQC 1|102||90 to 110|<CR><ETX>CB<CR><LF>
<STX>0R|2|ˆˆˆLEVEL 1: IQC 2|101||90 to 110|<CR><ETX>CD<CR><LF>
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<STX>1R|3|^^^LEVEL 1: IQC 3|102||90 to 110|<CR><ETX>D1<CR><LF>
<STX>2R|4|^^^LEVEL 1: IQC 4|102||90 to 110|<CR><ETX>D4<CR><LF>
<STX>3R|5|^^^LEVEL 1: IQC 5|103||90 to 110|<CR><ETX>D0<CR><LF>
<STX>4R|6|^^^LEVEL 1: IQC 6|106||90 to 110|<CR><ETX>D6<CR><LF>
<STX>5R|7|^^^LEVEL 1: IQC 7|109||90 to 110|<CR><ETX>DC<CR><LF>
<STX>6R|8|^^^LEVEL 1: IQC 8|108||90 to 110|<CR><ETX>DE<CR><LF>
<STX>7R|9|^^^LEVEL 2: PRE|103||95 to 105|<CR><ETX>97<CR><LF>
<STX>0R|10|^^^LEVEL 2: 340 nm|98||95 to 105|<CR><ETX>48<CR><LF>
<STX>1R|11|^^^LEVEL 2: 405 nm|99||95 to 105|<CR><ETX>4D<CR><LF>
<STX>2R|12|^^^LEVEL 2: 467 nm|99||95 to 105|<CR><ETX>57<CR><LF>
<STX>3R|13|^^^LEVEL 2: 500 nm|99||95 to 105|<CR><ETX>45<CR><LF>
<STX>4R|14|^^^LEVEL 2: 515 nm|99||95 to 105|<CR><ETX>4D<CR><LF>
<STX>5R|15|^^^LEVEL 2: 550 nm|98||95 to 105|<CR><ETX>4D<CR><LF>
<STX>6R|16|^^^LEVEL 2: 600 nm|97||95 to 105|<CR><ETX>4A<CR><LF>
<STX>7R|17|^^^LEVEL 2: 630 nm|103||95 to 105|<CR><ETX>73<CR><LF>
<STX>0L|1|N<CR><ETX>08<CR><LF>
```

*** Example (Abaxis to LIS) rotor results message ***
*** patient ID LEVEL V, CONTROL, LIPID PANEL, operator ID 7, doctor ID 7 ***

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<STX>1H|¥^&|||ABAXIS, INC.^piccolo xpress^2.1.9^0000V0000D|||||||D|E 1394-97|20060401145111<CR><ETX>E3<CR><LF>
<STX>2P|1|LEVEL V|||||||U|||||||^^|Control|||||||||||<CR><ETX>21<CR><LF>
<STX>30|1|||^^^LIPID PANEL: 4600D||20060401144629||||7||||||7|||||||||F<CR><ETX>DC<CR><LF>
<STX>4C|1|I|^^INST QC: OK    CHEM QC: OK|G<CR><ETX>1F<CR><LF>
<STX>5C|2|I|^^HEM: -32 LIP: 210 ICT:    5|G<CR><ETX>1D<CR><LF>
<STX>6C|3|I|^^|G<CR><ETX>1D<CR><LF>
<STX>7C|4|I|^^|G<CR><ETX>1F<CR><LF>
<STX>0C|5|I|^^|G<CR><ETX>19<CR><LF>
<STX>1R|1|2093-3^^LN^Cholest SerPl-mCnc|ICT|mg/dl||<CR><ETX>CC<CR><LF>
<STX>2C|1|I|4353 0000^0200 0000^Icteric Limit Error|I<CR><ETX>56<CR><LF>
<STX>3R|2|2085-9^^LN^HDLc SerPl-mCnc|LIP|mg/dl||<CR><ETX>3C<CR><LF>
<STX>4C|1|I|4210 0000^0600 0000^Lipemic Limit Error|I<CR><ETX>4C<CR><LF>
<STX>5R|3|2571-8^^LN^Trigl SerPl-mCnc|HEM|mg/dl||<CR><ETX>FA<CR><LF>
<STX>6C|1|I|42E6 0000^0E00 0000^Hemolysis Limit Error|I<CR><ETX>71<CR><LF>
<STX>7R|4|9830-1^^LN^Cholest/HDLc SerPl-mRto|^^^|||<CR><ETX>23<CR><LF>
<STX>0C|1|I|40BC CCCD^0000 0001^Chemistry Specific Error|I<CR><ETX>D6<CR><LF>
<STX>1R|5|13457-7^^LN^LDLc SerPl Calc-mCnc|152c|mg/dl||<CR><ETX>25<CR><LF>
<STX>2R|6|13458-5^^LN^VLDLc SerPl Calc-mCnc|23c|mg/dl||<CR><ETX>49<CR><LF>
<STX>30|2|||^^^* QUALITY CONTROL REPORT *: 4600D||20060401144629||||7||||||7|||||||||F<CR><ETX>D2<CR><LF>
<STX>4C|1|I|^^CHEMISTRY QC:         99|G<CR><ETX>49<CR><LF>
<STX>5C|2|I|^^ACCEPTABLE MINIMUM:     50|G<CR><ETX>12<CR><LF>
<STX>6R|1|^^^LEVEL 1: IQC 1|102||90 to 110|<CR><ETX>CA<CR><LF>
<STX>7R|2|^^^LEVEL 1: IQC 2|101||90 to 110|<CR><ETX>CC<CR><LF>
<STX>0R|3|^^^LEVEL 1: IQC 3|102||90 to 110|<CR><ETX>D0<CR><LF>
<STX>1R|4|^^^LEVEL 1: IQC 4|102||90 to 110|<CR><ETX>D3<CR><LF>
<STX>2R|5|^^^LEVEL 1: IQC 5|103||90 to 110|<CR><ETX>D7<CR><LF>
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<STX>3R|6|ˆˆˆLEVEL 1: IQC 6|106||90 to 110|<CR><ETX>D5<CR><LF>
<STX>4R|7|ˆˆˆLEVEL 1: IQC 7|109||90 to 110|<CR><ETX>DB<CR><LF>
<STX>5R|8|ˆˆˆLEVEL 1: IQC 8|108||90 to 110|<CR><ETX>DD<CR><LF>
<STX>6R|9|ˆˆˆLEVEL 2: PRE|103||95 to 105|<CR><ETX>96<CR><LF>
<STX>7R|10|ˆˆˆLEVEL 2: 340 nm|98||95 to 105|<CR><ETX>47<CR><LF>
<STX>0R|11|ˆˆˆLEVEL 2: 405 nm|99||95 to 105|<CR><ETX>4C<CR><LF>
<STX>1R|12|ˆˆˆLEVEL 2: 467 nm|99||95 to 105|<CR><ETX>56<CR><LF>
<STX>2R|13|ˆˆˆLEVEL 2: 500 nm|99||95 to 105|<CR><ETX>4C<CR><LF>
<STX>3R|14|ˆˆˆLEVEL 2: 515 nm|99||95 to 105|<CR><ETX>4C<CR><LF>
<STX>4R|15|ˆˆˆLEVEL 2: 550 nm|98||95 to 105|<CR><ETX>4C<CR><LF>
<STX>5R|16|ˆˆˆLEVEL 2: 600 nm|97||95 to 105|<CR><ETX>49<CR><LF>
<STX>6R|17|ˆˆˆLEVEL 2: 630 nm|103||95 to 105|<CR><ETX>72<CR><LF>
<STX>7L|1|N<CR><ETX>07<CR><LF>
```

*** Example (Abaxis to LIS) rotor results message ***
*** patient ID 8, HEPATIC FUNCTION PANEL, operator ID 8, doctor ID 8 ***

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<STX>1H|¥ˆ&|||ABAXIS, INC.ˆpiccolo xpressˆ2.1.9ˆ0000V0000D||||||D|E 1394-97|20060401145704<CR><ETX>EB<CR><LF>
<STX>2P|1|8|44444|33333||||19530225|U|||789-012-3456||88888ˆ53 Yrs.ˆ|Patient|||||||||66666<CR><ETX>21<CR><LF>
<STX>30|1|||ˆˆˆHEPATIC FUNCTION PANEL: 4700D||20060401145222||||8||||||8|||||||||F<CR><ETX>E7<CR><LF>
<STX>4C|1|I|ˆˆINST QC: OK    CHEM QC: OK|G<CR><ETX>1F<CR><LF>
<STX>5C|2|I|ˆˆHEM:  -32 LIP:  210 ICT:    5|G<CR><ETX>1D<CR><LF>
<STX>6C|3|I|ˆˆ|G<CR><ETX>1D<CR><LF>
<STX>7C|4|I|ˆˆ|G<CR><ETX>1F<CR><LF>
<STX>0C|5|I|ˆˆ|G<CR><ETX>19<CR><LF>
<STX>1R|1|1751-7ˆˆLNˆAlb SerPl-mCnc|ICT|g/dl|3.3 to 5.5|<CR><ETX>EF<CR><LF>
<STX>2C|1|I|408C CCCDˆ0200 0000ˆIcteric Limit Error|I<CR><ETX>B3<CR><LF>
<STX>3R|2|6768-6ˆˆLNˆALP SerPl-cCnc|55|units/l|42 to 141|N<CR><ETX>CA<CR><LF>
<STX>4R|3|1742-6ˆˆLNˆALT SerPl-cCnc|ICT|units/l|10 to 47|<CR><ETX>BB<CR><LF>
<STX>5C|1|I|41E8 0000ˆ0200 0000ˆIcteric Limit Error|I<CR><ETX>64<CR><LF>
<STX>6R|4|1920-8ˆˆLNˆAST SerPl-cCnc|ˆˆˆ|units/l|11 to 38|<CR><ETX>60<CR><LF>
<STX>7C|1|I|41C8 0000ˆ0000 0108ˆChemistry Specific Error|I<CR><ETX>87<CR><LF>
<STX>0R|5|1968-7ˆˆLNˆBilirub Direct SerPl-mCnc|0.2|mg/dl|0.0 to 0.3|N<CR><ETX>8F<CR><LF>
<STX>1R|6|1975-2ˆˆLNˆBilirub SerPl-mCnc|ˆˆˆ|mg/dl|0.2 to 1.6|<<CR><ETX>ED<CR><LF>
<STX>2C|1|I|3F66 6666ˆ0004 0000ˆConcentration < Low System Limit|I<CR><ETX>43<CR><LF>
<STX>3R|7|2885-2ˆˆLNˆProt SerPl-mCnc|7.3|g/dl|6.4 to 8.1|N<CR><ETX>92<CR><LF>
<STX>40|2|||ˆˆˆ* QUALITY CONTROL REPORT *: 4700D||20060401145222||||8||||||8|||||||||F<CR><ETX>CC<CR><LF>
<STX>5C|1|I|ˆˆCHEMISTRY QC:        99|G<CR><ETX>4A<CR><LF>
<STX>6C|2|I|ˆˆACCEPTABLE MINIMUM:    50|G<CR><ETX>13<CR><LF>
<STX>7R|1|ˆˆˆLEVEL 1: IQC 1|102||90 to 110|<CR><ETX>CB<CR><LF>
<STX>0R|2|ˆˆˆLEVEL 1: IQC 2|101||90 to 110|<CR><ETX>CD<CR><LF>
<STX>1R|3|ˆˆˆLEVEL 1: IQC 3|102||90 to 110|<CR><ETX>D1<CR><LF>
<STX>2R|4|ˆˆˆLEVEL 1: IQC 4|102||90 to 110|<CR><ETX>D4<CR><LF>
<STX>3R|5|ˆˆˆLEVEL 1: IQC 5|103||90 to 110|<CR><ETX>D0<CR><LF>
<STX>4R|6|ˆˆˆLEVEL 1: IQC 6|106||90 to 110|<CR><ETX>D6<CR><LF>
<STX>5R|7|ˆˆˆLEVEL 1: IQC 7|109||90 to 110|<CR><ETX>DC<CR><LF>
<STX>6R|8|ˆˆˆLEVEL 1: IQC 8|108||90 to 110|<CR><ETX>DE<CR><LF>
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<STX>7R|9|^^^LEVEL 2: PRE|103||95 to 105|<CR><ETX>97<CR><LF>
<STX>0R|10|^^^LEVEL 2: 340 nm|98||95 to 105|<CR><ETX>48<CR><LF>
<STX>1R|11|^^^LEVEL 2: 405 nm|99||95 to 105|<CR><ETX>4D<CR><LF>
<STX>2R|12|^^^LEVEL 2: 467 nm|99||95 to 105|<CR><ETX>57<CR><LF>
<STX>3R|13|^^^LEVEL 2: 500 nm|99||95 to 105|<CR><ETX>45<CR><LF>
<STX>4R|14|^^^LEVEL 2: 515 nm|99||95 to 105|<CR><ETX>4D<CR><LF>
<STX>5R|15|^^^LEVEL 2: 550 nm|98||95 to 105|<CR><ETX>4D<CR><LF>
<STX>6R|16|^^^LEVEL 2: 600 nm|97||95 to 105|<CR><ETX>4A<CR><LF>
<STX>7R|17|^^^LEVEL 2: 630 nm|103||95 to 105|<CR><ETX>73<CR><LF>
<STX>0L|1|N<CR><ETX>08<CR><LF>


*** Example (Abaxis to LIS) rotor results message ***
*** patient ID 1, MALE, RENAL FUNCTION PANEL, operator ID 9, doctor ID 9 ***

<STX>1H|¥^&|||ABAXIS, INC.^piccolo xpress^2.1.9^0000V0000D||||||D|E 1394-97|20060401150355<CR><ETX>E9<CR><LF>
<STX>2P|1|1|44444|33333||19530225|M||||789-012-3456||88888^53 Yrs.^|Patient||||||||||66666<CR><ETX>21<CR><LF>
<STX>3O|1||||^^^RENAL FUNCTION PANEL: 4900D||20060401145913||||9||||||9|||||||||F<CR><ETX>66<CR><LF>
<STX>4C|1|I|^^INST QC: OK    CHEM QC: OK|G<CR><ETX>1F<CR><LF>
<STX>5C|2|I|^^HEM: -32 LIP: 210 ICT:    5|G<CR><ETX>1D<CR><LF>
<STX>6C|3|I|^^|G<CR><ETX>1D<CR><LF>
<STX>7C|4|I|^^|G<CR><ETX>1F<CR><LF>
<STX>0C|5|I|^^|G<CR><ETX>19<CR><LF>
<STX>1R|1|2345-7^^LN^Glucose SerPl-mCnc|LIP|mg/dl|73 to 118|<CR><ETX>FC<CR><LF>
<STX>2C|1|I|42C0 0000^0600 0000^Lipemic Limit Error|I<CR><ETX>64<CR><LF>
<STX>3R|2|3094-0^^LN^BUN SerPl-mCnc|15|mg/dl|7 to 22|N<CR><ETX>6B<CR><LF>
<STX>4R|3|17861-6^^LN^Calcium SerPl-mCnc|9.2|mg/dl|8.0 to 10.3|N<CR><ETX>73<CR><LF>
<STX>5R|4|2160-0^^LN^Creat SerPl-mCnc|0.9|mg/dl|0.6 to 1.2|N<CR><ETX>2D<CR><LF>
<STX>6R|5|1751-7^^LN^Alb SerPl-mCnc|4.4|g/dl|3.3 to 5.5|N<CR><ETX>F4<CR><LF>
<STX>7R|6|2777-1^^LN^Phosphate SerPl-mCnc|3.2|mg/dl|2.2 to 4.1|N<CR><ETX>F9<CR><LF>
<STX>0R|7|2951-2^^LN^Sodium SerPl-sCnc|<110*|mmol/l|128 to 145|<<CR><ETX>A1<CR><LF>
<STX>1C|1|I|4309 0000^0001 0000^Concentration < Low Dynamic Limit|I<CR><ETX>52<CR><LF>
<STX>2R|8|2823-3^^LN^Potassium SerPl-sCnc|^^^|mmol/l|3.6 to 5.1|<<CR><ETX>6F<CR><LF>
<STX>3C|1|I|4080 0000^0004 0000^Concentration < Low System Limit|I<CR><ETX>0B<CR><LF>
<STX>4R|9|2075-0^^LN^Chloride SerPl-sCnc|>135*|mmol/l|98 to 108|><CR><ETX>33<CR><LF>
<STX>5C|1|I|42CE 0000^0002 0000^Concentration > High Dynamic Limit|I<CR><ETX>BD<CR><LF>
<STX>6R|10|2028-9^^LN^CO2 SerPl-sCnc|^^^|mmol/l|18 to 33|><CR><ETX>3C<CR><LF>
<STX>7C|1|I|41D0 0000^0008 0000^Concentration > High System Limit|I<CR><ETX>70<CR><LF>
<STX>0O|2|||^^^* QUALITY CONTROL REPORT *: 4900D||20060401145913||||9||||||9|||||||||F<CR><ETX>DB<CR><LF>
<STX>1C|1|I|^^CHEMISTRY QC:         99|G<CR><ETX>4E<CR><LF>
<STX>2C|2|I|^^ACCEPTABLE MINIMUM:    50|G<CR><ETX>17<CR><LF>
<STX>3R|1|^^^LEVEL 1: IQC 1|102||90 to 110|<CR><ETX>C7<CR><LF>
<STX>4R|2|^^^LEVEL 1: IQC 2|101||90 to 110|<CR><ETX>C9<CR><LF>
<STX>5R|3|^^^LEVEL 1: IQC 3|102||90 to 110|<CR><ETX>CD<CR><LF>
<STX>6R|4|^^^LEVEL 1: IQC 4|102||90 to 110|<CR><ETX>D0<CR><LF>
<STX>7R|5|^^^LEVEL 1: IQC 5|103||90 to 110|<CR><ETX>D4<CR><LF>
<STX>0R|6|^^^LEVEL 1: IQC 6|106||90 to 110|<CR><ETX>DA<CR><LF>
<STX>1R|7|^^^LEVEL 1: IQC 7|109||90 to 110|<CR><ETX>E0<CR><LF>
```

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<STX>2R|8|ˆˆˆLEVEL 1: IQC 8|108||90 to 110|<CR><ETX>E2<CR><LF>
<STX>3R|9|ˆˆˆLEVEL 2: PRE|103||95 to 105|<CR><ETX>93<CR><LF>
<STX>4R|10|ˆˆˆLEVEL 2: 340 nm|98||95 to 105|<CR><ETX>44<CR><LF>
<STX>5R|11|ˆˆˆLEVEL 2: 405 nm|99||95 to 105|<CR><ETX>49<CR><LF>
<STX>6R|12|ˆˆˆLEVEL 2: 467 nm|99||95 to 105|<CR><ETX>53<CR><LF>
<STX>7R|13|ˆˆˆLEVEL 2: 500 nm|99||95 to 105|<CR><ETX>49<CR><LF>
<STX>0R|14|ˆˆˆLEVEL 2: 515 nm|99||95 to 105|<CR><ETX>51<CR><LF>
<STX>1R|15|ˆˆˆLEVEL 2: 550 nm|98||95 to 105|<CR><ETX>51<CR><LF>
<STX>2R|16|ˆˆˆLEVEL 2: 600 nm|97||95 to 105|<CR><ETX>4E<CR><LF>
<STX>3R|17|ˆˆˆLEVEL 2: 630 nm|103||95 to 105|<CR><ETX>6F<CR><LF>
<STX>4L|1|N<CR><ETX>04<CR><LF>


*** Example (Abaxis to LIS) rotor results message ***
*** patient ID LEVEL IX, CONTROL, METLYTE 8, operator ID 0, doctor ID 0 ***

<STX>1H|¥ˆ&|||ABAXIS, INC.ˆpiccolo xpressˆ2.1.9ˆ0000V0000D|||||||D|E 1394-97|20060401150945<CR><ETX>EE<CR><LF>
<STX>2P|1|LEVEL IX||||||U|||||||ˆˆ|Control||||||||||<CR><ETX>21<CR><LF>
<STX>30|1|||ˆˆˆMETLYTE 8: 4300D||20060401150503||||0||||||0|||||||||F<CR><ETX>39<CR><LF>
<STX>4C|1|I|ˆˆINST QC: OK     CHEM QC: OK|G<CR><ETX>1F<CR><LF>
<STX>5C|2|I|ˆˆHEM: -32 LIP: 210 ICT:    5|G<CR><ETX>1D<CR><LF>
<STX>6C|3|I|ˆˆ|G<CR><ETX>1D<CR><LF>
<STX>7C|4|I|ˆˆ|G<CR><ETX>1F<CR><LF>
<STX>0C|5|I|ˆˆ|G<CR><ETX>19<CR><LF>
<STX>1R|1|2345-7ˆˆLNˆGlucose SerPl-mCnc|HEM|mg/dl||<CR><ETX>CA<CR><LF>
<STX>2C|1|I|42BF 0000ˆ0E00 0000ˆHemolysis Limit Error|I<CR><ETX>82<CR><LF>
<STX>3R|2|3094-0ˆˆLNˆBUN SerPl-mCnc|15|mg/dl||<CR><ETX>5F<CR><LF>
<STX>4R|3|2160-0ˆˆLNˆCreat SerPl-mCnc|LIP|mg/dl||<CR><ETX>E3<CR><LF>
<STX>5C|1|I|3F66 6666ˆ0600 0000ˆLipemic Limit Error|I<CR><ETX>83<CR><LF>
<STX>6R|4|2157-6ˆˆLNˆCK SerPl-cCnc|115|units/l||<CR><ETX>34<CR><LF>
<STX>7R|5|2951-2ˆˆLNˆSodium SerPl-sCnc|ICT|mmol/l||<CR><ETX>F2<CR><LF>
<STX>0C|1|I|4308 8000ˆ0200 0000ˆIcteric Limit Error|I<CR><ETX>5C<CR><LF>
<STX>1R|6|2823-3ˆˆLNˆPotassium SerPl-sCnc|4.0|mmol/l||<CR><ETX>FA<CR><LF>
<STX>2R|7|2075-0ˆˆLNˆChloride SerPl-sCnc|ˆˆˆ|mmol/l||><CR><ETX>83<CR><LF>
<STX>3C|1|I|461C 4000ˆ0008 0000ˆConcentration > High System Limit|I<CR><ETX>75<CR><LF>
<STX>4R|8|2028-9ˆˆLNˆCO2 SerPl-sCnc|26|mmol/l||<CR><ETX>CF<CR><LF>
<STX>50|2|||ˆˆˆ* QUALITY CONTROL REPORT *: 4300D||20060401150503||||0||||||0|||||||||F<CR><ETX>B7<CR><LF>
<STX>6C|1|I|ˆˆCHEMISTRY QC:         99|G<CR><ETX>4B<CR><LF>
<STX>7C|2|I|ˆˆACCEPTABLE MINIMUM:    50|G<CR><ETX>14<CR><LF>
<STX>0R|1|ˆˆˆLEVEL 1: IQC 1|102||90 to 110|<CR><ETX>CC<CR><LF>
<STX>1R|2|ˆˆˆLEVEL 1: IQC 2|101||90 to 110|<CR><ETX>CE<CR><LF>
<STX>2R|3|ˆˆˆLEVEL 1: IQC 3|102||90 to 110|<CR><ETX>D2<CR><LF>
<STX>3R|4|ˆˆˆLEVEL 1: IQC 4|102||90 to 110|<CR><ETX>CD<CR><LF>
<STX>4R|5|ˆˆˆLEVEL 1: IQC 5|103||90 to 110|<CR><ETX>D1<CR><LF>
<STX>5R|6|ˆˆˆLEVEL 1: IQC 6|106||90 to 110|<CR><ETX>D7<CR><LF>
<STX>6R|7|ˆˆˆLEVEL 1: IQC 7|109||90 to 110|<CR><ETX>DD<CR><LF>
<STX>7R|8|ˆˆˆLEVEL 1: IQC 8|108||90 to 110|<CR><ETX>DF<CR><LF>
<STX>0R|9|ˆˆˆLEVEL 2: PRE|100||95 to 105|<CR><ETX>95<CR><LF>
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<STX>1R|10|^^^LEVEL 2: 340 nm|98||95 to 105|<CR><ETX>49<CR><LF>
<STX>2R|11|^^^LEVEL 2: 405 nm|99||95 to 105|<CR><ETX>4E<CR><LF>
<STX>3R|12|^^^LEVEL 2: 467 nm|99||95 to 105|<CR><ETX>50<CR><LF>
<STX>4R|13|^^^LEVEL 2: 500 nm|99||95 to 105|<CR><ETX>46<CR><LF>
<STX>5R|14|^^^LEVEL 2: 515 nm|99||95 to 105|<CR><ETX>4E<CR><LF>
<STX>6R|15|^^^LEVEL 2: 550 nm|98||95 to 105|<CR><ETX>4E<CR><LF>
<STX>7R|16|^^^LEVEL 2: 600 nm|97||95 to 105|<CR><ETX>4B<CR><LF>
<STX>0R|17|^^^LEVEL 2: 630 nm|100||95 to 105|<CR><ETX>71<CR><LF>
<STX>1L|1|N<CR><ETX>09<CR><LF>

*** Example (LIS to Abaxis) Query message ***
*** patient ID all (since restart), all rotors ran have matching query results dumped below ***

<STX>1H|¥^&|||Heisenberg|Union City||510-675-6500<CR><ETX>9E<CR><LF>
<STX>2Q|1|all<CR><ETX>F5<CR><LF>
<STX>3L|1<CR><ETX>3C<CR><LF>


<STX>1H|¥^&|||ABAXIS, INC.^piccolo xpress^2.1.9^0000V0000D|||||||D|E 1394-97|20060401143301<CR><ETX>E2<CR><LF>
<STX>2P|1|LEVEL V||||||U||||||^^|Control||||||||||<CR><ETX>21<CR><LF>
<STX>30|1||||^^^ELECTROLYTE PANEL: 4200D||20060401142819||||4|||||||4|||||||||Q<CR><ETX>AB<CR><LF>
<STX>4C|1|I|^^INST QC: OK    CHEM QC: OK|G<CR><ETX>1F<CR><LF>
<STX>5C|2|I|^^HEM: -32 LIP: 210 ICT:    5|G<CR><ETX>1D<CR><LF>
<STX>6C|3|I|^^|G<CR><ETX>1D<CR><LF>
<STX>7C|4|I|^^|G<CR><ETX>2C<CR><LF>
<STX>0C|5|I|^^Control Renewal Required|G<CR><ETX>7D<CR><LF>
<STX>1R|1|2951-2^^LN^Sodium SerPl-sCnc|ICT|mmol/l||<CR><ETX>F0<CR><LF>
<STX>2C|1|I|4308 8000^0200 0000^Icteric Limit Error|I<CR><ETX>5E<CR><LF>
<STX>3R|2|2823-3^^LN^Potassium SerPl-sCnc|LIP|mmol/l||<CR><ETX>43<CR><LF>
<STX>4C|1|I|4096 6666^0600 0000^Lipemic Limit Error|I<CR><ETX>70<CR><LF>
<STX>5R|3|2075-0^^LN^Chloride SerPl-sCnc|^^^|mmol/l||<CR><ETX>7A<CR><LF>
<STX>6C|1|I|47C3 5000^0008 0000^Concentration > High System Limit|I<CR><ETX>7C<CR><LF>
<STX>7R|4|2028-9^^LN^CO2 SerPl-sCnc|^^^|mmol/l||<CR><ETX>E0<CR><LF>
<STX>0C|1|I|41CC 0000^0020 0080^False Rate (Unexpected Reaction Occurred)|I<CR><ETX>35<CR><LF>
<STX>10|2||||^^^* QUALITY CONTROL REPORT *: 4200D||20060401142819||||4|||||||4|||||||||Q<CR><ETX>CD<CR><LF>
<STX>2C|1|I|^^CHEMISTRY QC:           0|G<CR><ETX>2D<CR><LF>
<STX>3C|2|I|^^ACCEPTABLE MINIMUM:    50|G<CR><ETX>10<CR><LF>
<STX>4R|1|^^^LEVEL 1: IQC 1|102||90 to 110|<CR><ETX>C8<CR><LF>
<STX>5R|2|^^^LEVEL 1: IQC 2|101||90 to 110|<CR><ETX>CA<CR><LF>
<STX>6R|3|^^^LEVEL 1: IQC 3|102||90 to 110|<CR><ETX>CE<CR><LF>
<STX>7R|4|^^^LEVEL 1: IQC 4|102||90 to 110|<CR><ETX>D1<CR><LF>
<STX>0R|5|^^^LEVEL 1: IQC 5|103||90 to 110|<CR><ETX>D5<CR><LF>
<STX>1R|6|^^^LEVEL 1: IQC 6|106||90 to 110|<CR><ETX>DB<CR><LF>
<STX>2R|7|^^^LEVEL 1: IQC 7|109||90 to 110|<CR><ETX>E1<CR><LF>
<STX>3R|8|^^^LEVEL 1: IQC 8|108||90 to 110|<CR><ETX>DB<CR><LF>
<STX>4R|9|^^^LEVEL 2: PRE|101||95 to 105|<CR><ETX>92<CR><LF>
<STX>5R|10|^^^LEVEL 2: 340 nm|98||95 to 105|<CR><ETX>45<CR><LF>
<STX>6R|11|^^^LEVEL 2: 405 nm|99||95 to 105|<CR><ETX>4A<CR><LF>
<STX>7R|12|^^^LEVEL 2: 467 nm|99||95 to 105|<CR><ETX>54<CR><LF>
```

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<STX>0R|13|^^^LEVEL 2: 500 nm|99||95 to 105|<CR><ETX>4A<CR><LF>
<STX>1R|14|^^^LEVEL 2: 515 nm|99||95 to 105|<CR><ETX>52<CR><LF>
<STX>2R|15|^^^LEVEL 2: 550 nm|98||95 to 105|<CR><ETX>52<CR><LF>
<STX>3R|16|^^^LEVEL 2: 600 nm|97||95 to 105|<CR><ETX>47<CR><LF>
<STX>4R|17|^^^LEVEL 2: 630 nm|101||95 to 105|<CR><ETX>6E<CR><LF>
<STX>5L|1|N<CR><ETX>05<CR><LF>

<STX>1H|¥^&|||ABAXIS, INC.^piccolo xpress^2.1.9^0000V0000D|||||||D|E 1394-97|20060401144000<CR><ETX>DF<CR><LF>
<STX>2P|1|5|44444|33333||19530225|M||||789-012-3456||88888^53 Yrs.^|Patient|||||||||66666<CR><ETX>21<CR><LF>
<STX>30|1||||^^^GENERAL CHEMISTRY 12: 1700D||20060401143518||||5||||||5|||||||||Q<CR><ETX>29<CR><LF>
<STX>4C|1|I|^^INST QC: OK    CHEM QC: OK|G<CR><ETX>1F<CR><LF>
<STX>5C|2|I|^^HEM:   24 LIP:  166 ICT:    1|G<CR><ETX>17<CR><LF>
<STX>6C|3|I|^^|G<CR><ETX>1D<CR><LF>
<STX>7C|4|I|^^|G<CR><ETX>1F<CR><LF>
<STX>0C|5|I|^^|G<CR><ETX>19<CR><LF>
<STX>1R|1|1751-7^^LN^Alb SerPl-mCnc|ICT|g/dl|3.3 to 5.5|<CR><ETX>EF<CR><LF>
<STX>2C|1|I|408C CCCD^0200 0000^Icteric Limit Error|I<CR><ETX>B3<CR><LF>
<STX>3R|2|6768-6^^LN^ALP SerPl-cCnc|55|units/l|53 to 128|N<CR><ETX>D1<CR><LF>
<STX>4R|3|1742-6^^LN^ALT SerPl-cCnc|HEM|units/l|10 to 47|<CR><ETX>B5<CR><LF>
<STX>5C|1|I|41E4 0000^0E00 0000^Hemolysis Limit Error|I<CR><ETX>6D<CR><LF>
<STX>6R|4|1798-8^^LN^Amylase SerPl-cCnc|56|units/l|14 to 97|N<CR><ETX>98<CR><LF>
<STX>7R|5|1920-8^^LN^AST SerPl-cCnc|LIP|units/l|11 to 38|<CR><ETX>CD<CR><LF>
<STX>0C|1|I|41C4 0000^0600 0100^Lipemic Limit Error|I<CR><ETX>66<CR><LF>
<STX>1R|6|1975-2^^LN^Bilirub SerPl-mCnc|0.9|mg/dl|0.2 to 1.6|N<CR><ETX>1C<CR><LF>
<STX>2R|7|3094-0^^LN^BUN SerPl-mCnc|15|mg/dl|7 to 22|N<CR><ETX>77<CR><LF>
<STX>3R|8|17861-6^^LN^Calcium SerPl-mCnc|ICT|mg/dl|8.0 to 10.3|<CR><ETX>70<CR><LF>
<STX>4C|1|I|4112 6666^0200 0002^Icteric Limit Error|I<CR><ETX>63<CR><LF>
<STX>5R|9|2093-3^^LN^Cholest SerPl-mCnc|150|mg/dl|100 to 200|N<CR><ETX>1A<CR><LF>
<STX>6R|10|2160-0^^LN^Creat SerPl-mCnc|0.9|mg/dl|0.6 to 1.2|N<CR><ETX>5B<CR><LF>
<STX>7R|11|2345-7^^LN^Glucose SerPl-mCnc|96|mg/dl|73 to 118|N<CR><ETX>03<CR><LF>
<STX>0R|12|2885-2^^LN^Prot SerPl-mCnc|7.3|g/dl|6.4 to 8.1|N<CR><ETX>C3<CR><LF>
<STX>10|2|||^^^* QUALITY CONTROL REPORT *: 1700D||20060401143518||||5||||||5|||||||||Q<CR><ETX>CE<CR><LF>
<STX>2C|1|I|^^CHEMISTRY QC:            0|G<CR><ETX>2D<CR><LF>
<STX>3C|2|I|^^ACCEPTABLE MINIMUM:    50|G<CR><ETX>10<CR><LF>
<STX>4R|1|^^^LEVEL 1: IQC 1|102||90 to 110|<CR><ETX>C8<CR><LF>
<STX>5R|2|^^^LEVEL 1: IQC 2|102||90 to 110|<CR><ETX>CB<CR><LF>
<STX>6R|3|^^^LEVEL 1: IQC 3|102||90 to 110|<CR><ETX>CE<CR><LF>
<STX>7R|4|^^^LEVEL 1: IQC 4|102||90 to 110|<CR><ETX>D1<CR><LF>
<STX>0R|5|^^^LEVEL 1: IQC 5|101||90 to 110|<CR><ETX>D3<CR><LF>
<STX>1R|6|^^^LEVEL 1: IQC 6|101||90 to 110|<CR><ETX>D6<CR><LF>
<STX>2R|7|^^^LEVEL 1: IQC 7|106||90 to 110|<CR><ETX>DE<CR><LF>
<STX>3R|8|^^^LEVEL 1: IQC 8|108||90 to 110|<CR><ETX>DB<CR><LF>
<STX>4R|9|^^^LEVEL 2: PRE|102||95 to 105|<CR><ETX>93<CR><LF>
<STX>5R|10|^^^LEVEL 2: 340 nm|99||95 to 105|<CR><ETX>46<CR><LF>
<STX>6R|11|^^^LEVEL 2: 405 nm|100||95 to 105|<CR><ETX>69<CR><LF>
<STX>7R|12|^^^LEVEL 2: 467 nm|100||95 to 105|<CR><ETX>73<CR><LF>
<STX>0R|13|^^^LEVEL 2: 500 nm|100||95 to 105|<CR><ETX>69<CR><LF>
<STX>1R|14|^^^LEVEL 2: 515 nm|100||95 to 105|<CR><ETX>71<CR><LF>
```

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<STX>2R|15|^^^LEVEL 2: 550 nm|98||95 to 105|<CR><ETX>52<CR><LF>
<STX>3R|16|^^^LEVEL 2: 600 nm|98||95 to 105|<CR><ETX>48<CR><LF>
<STX>4R|17|^^^LEVEL 2: 630 nm|99||95 to 105|<CR><ETX>4E<CR><LF>
<STX>5L|1|N<CR><ETX>05<CR><LF>

<STX>1H|\^&|||ABAXIS, INC.^piccolo xpress^2.1.9^0000V0000D|||||||D|E 1394-97|20060401144524<CR><ETX>EA<CR><LF>
<STX>2P|1|6|44444|33333||19530225|F|||||789-012-3456||88888^53 Yrs.^|Patient|||||||||||66666<CR><ETX>21<CR><LF>
<STX>30|1||||^^^LIVER PANEL PLUS: 1100D||20060401144042||||6||||||6|||||||||||Q<CR><ETX>3B<CR><LF>
<STX>4C|1|I|^^INST QC: OK     CHEM QC: OK|G<CR><ETX>1F<CR><LF>
<STX>5C|2|I|^^HEM: -32 LIP: 210 ICT:    5|G<CR><ETX>1D<CR><LF>
<STX>6C|3|I|^^|G<CR><ETX>1D<CR><LF>
<STX>7C|4|I|^^|G<CR><ETX>1F<CR><LF>
<STX>0C|5|I|^^|G<CR><ETX>19<CR><LF>
<STX>1R|1|1751-7^^LN^Alb SerPl-mCnc|ICT|g/dl|3.3 to 5.5|<CR><ETX>EF<CR><LF>
<STX>2C|1|I|408C CCCD^0200 0000^Icteric Limit Error|I<CR><ETX>B3<CR><LF>
<STX>3R|2|6768-6^^LN^ALP SerPl-cCnc|55|units/l|42 to 141|N<CR><ETX>CA<CR><LF>
<STX>4R|3|1742-6^^LN^ALT SerPl-cCnc|LIP|units/l|10 to 47|<CR><ETX>C0<CR><LF>
<STX>5C|1|I|41E4 0000^0600 0000^Lipemic Limit Error|I<CR><ETX>64<CR><LF>
<STX>6R|4|1798-8^^LN^Amylase SerPl-cCnc|56|units/l|14 to 97|N<CR><ETX>98<CR><LF>
<STX>7R|5|1920-8^^LN^AST SerPl-cCnc|<5*|units/l|11 to 38|<<CR><ETX>BF<CR><LF>
<STX>0C|1|I|41C4 0000^0001 0000^Concentration < Low Dynamic Limit|I<CR><ETX>5D<CR><LF>
<STX>1R|6|1975-2^^LN^Bilirub SerPl-mCnc|0.9|mg/dl|0.2 to 1.6|N<CR><ETX>1C<CR><LF>
<STX>2R|7|2324-2^^LN^GGT SerPl-cCnc|35|units/l|5 to 65|N<CR><ETX>69<CR><LF>
<STX>3R|8|2885-2^^LN^Prot SerPl-mCnc|7.3|g/dl|6.4 to 8.1|N<CR><ETX>93<CR><LF>
<STX>40|2|||^^^* QUALITY CONTROL REPORT *: 1100D||20060401144042||||6||||||6|||||||||||Q<CR><ETX>BE<CR><LF>
<STX>5C|1|I|^^CHEMISTRY QC:            0|G<CR><ETX>28<CR><LF>
<STX>6C|2|I|^^ACCEPTABLE MINIMUM:    50|G<CR><ETX>13<CR><LF>
<STX>7R|1|^^^LEVEL 1: IQC 1|102||90 to 110|<CR><ETX>CB<CR><LF>
<STX>0R|2|^^^LEVEL 1: IQC 2|101||90 to 110|<CR><ETX>CD<CR><LF>
<STX>1R|3|^^^LEVEL 1: IQC 3|102||90 to 110|<CR><ETX>D1<CR><LF>
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<STX>3R|5|^^^LEVEL 1: IQC 5|103||90 to 110|<CR><ETX>D0<CR><LF>
<STX>4R|6|^^^LEVEL 1: IQC 6|106||90 to 110|<CR><ETX>D6<CR><LF>
<STX>5R|7|^^^LEVEL 1: IQC 7|109||90 to 110|<CR><ETX>DC<CR><LF>
<STX>6R|8|^^^LEVEL 1: IQC 8|108||90 to 110|<CR><ETX>DE<CR><LF>
<STX>7R|9|^^^LEVEL 2: PRE|103||95 to 105|<CR><ETX>97<CR><LF>
<STX>0R|10|^^^LEVEL 2: 340 nm|98||95 to 105|<CR><ETX>48<CR><LF>
<STX>1R|11|^^^LEVEL 2: 405 nm|99||95 to 105|<CR><ETX>4D<CR><LF>
<STX>2R|12|^^^LEVEL 2: 467 nm|99||95 to 105|<CR><ETX>57<CR><LF>
<STX>3R|13|^^^LEVEL 2: 500 nm|99||95 to 105|<CR><ETX>45<CR><LF>
<STX>4R|14|^^^LEVEL 2: 515 nm|99||95 to 105|<CR><ETX>4D<CR><LF>
<STX>5R|15|^^^LEVEL 2: 550 nm|98||95 to 105|<CR><ETX>4D<CR><LF>
<STX>6R|16|^^^LEVEL 2: 600 nm|97||95 to 105|<CR><ETX>4A<CR><LF>
<STX>7R|17|^^^LEVEL 2: 630 nm|103||95 to 105|<CR><ETX>73<CR><LF>
<STX>0L|1|N<CR><ETX>08<CR><LF>
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<STX>2P|1|LEVEL V||||||U|||||||^^|Control||||||||||<CR><ETX>21<CR><LF>
<STX>30|1|||^^^LIPID PANEL: 4600D||20060401144629||||7||||||7||||||||||Q<CR><ETX>DC<CR><LF>
<STX>4C|1|I|^^INST QC: OK     CHEM QC: OK|G<CR><ETX>1F<CR><LF>
<STX>5C|2|I|^^HEM: -32 LIP: 210 ICT:    5|G<CR><ETX>1D<CR><LF>
<STX>6C|3|I|^^|G<CR><ETX>1D<CR><LF>
<STX>7C|4|I|^^|G<CR><ETX>1F<CR><LF>
<STX>0C|5|I|^^|G<CR><ETX>19<CR><LF>
<STX>1R|1|2093-3^^LN^Cholest SerPl-mCnc|ICT|mg/dl||<CR><ETX>CC<CR><LF>
<STX>2C|1|I|4353 0000^0200 0000^Icteric Limit Error|I<CR><ETX>56<CR><LF>
<STX>3R|2|2085-9^^LN^HDLc SerPl-mCnc|LIP|mg/dl||<CR><ETX>3C<CR><LF>
<STX>4C|1|I|4210 0000^0600 0000^Lipemic Limit Error|I<CR><ETX>4C<CR><LF>
<STX>5R|3|2571-8^^LN^Trigl SerPl-mCnc|HEM|mg/dl||<CR><ETX>FA<CR><LF>
<STX>6C|1|I|42E6 0000^0E00 0000^Hemolysis Limit Error|I<CR><ETX>71<CR><LF>
<STX>7R|4|9830-1^^LN^Cholest/HDLc SerPl-mRto|^^^|||<CR><ETX>23<CR><LF>
<STX>0C|1|I|40BC CCCD^0000 0001^Chemistry Specific Error|I<CR><ETX>D6<CR><LF>
<STX>1R|5|13457-7^^LN^LDLc SerPl Calc-mCnc|152c|mg/dl||<CR><ETX>25<CR><LF>
<STX>2R|6|13458-5^^LN^VLDLc SerPl Calc-mCnc|23c|mg/dl||<CR><ETX>49<CR><LF>
<STX>30|2|||^^^* QUALITY CONTROL REPORT *: 4600D||20060401144629||||7||||||7||||||||||Q<CR><ETX>D2<CR><LF>
<STX>4C|1|I|^^CHEMISTRY QC:           99|G<CR><ETX>49<CR><LF>
<STX>5C|2|I|^^ACCEPTABLE MINIMUM:    50|G<CR><ETX>12<CR><LF>
<STX>6R|1|^^^LEVEL 1: IQC 1|102||90 to 110|<CR><ETX>CA<CR><LF>
<STX>7R|2|^^^LEVEL 1: IQC 2|101||90 to 110|<CR><ETX>CC<CR><LF>
<STX>0R|3|^^^LEVEL 1: IQC 3|102||90 to 110|<CR><ETX>D0<CR><LF>
<STX>1R|4|^^^LEVEL 1: IQC 4|102||90 to 110|<CR><ETX>D3<CR><LF>
<STX>2R|5|^^^LEVEL 1: IQC 5|103||90 to 110|<CR><ETX>D7<CR><LF>
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<STX>5R|8|^^^LEVEL 1: IQC 8|108||90 to 110|<CR><ETX>DD<CR><LF>
<STX>6R|9|^^^LEVEL 2: PRE|103||95 to 105|<CR><ETX>96<CR><LF>
<STX>7R|10|^^^LEVEL 2: 340 nm|98||95 to 105|<CR><ETX>47<CR><LF>
<STX>0R|11|^^^LEVEL 2: 405 nm|99||95 to 105|<CR><ETX>4C<CR><LF>
<STX>1R|12|^^^LEVEL 2: 467 nm|99||95 to 105|<CR><ETX>56<CR><LF>
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<STX>7L|1|N<CR><ETX>07<CR><LF>
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<STX>2P|1|8|44444|33333||||19530225|U||||789-012-3456||88888^53 Yrs.^|Patient|||||||||||66666<CR><ETX>21<CR><LF>
<STX>30|1|||^^^HEPATIC FUNCTION PANEL: 4700D||20060401145222||||8||||||8|||||||||||Q<CR><ETX>E7<CR><LF>
<STX>4C|1|I|^^INST QC: OK   CHEM QC: OK|G<CR><ETX>1F<CR><LF>
<STX>5C|2|I|^^HEM: -32 LIP: 210 ICT: 5|G<CR><ETX>1D<CR><LF>
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<STX>7C|4|I|^^|G<CR><ETX>1F<CR><LF>
<STX>0C|5|I|^^|G<CR><ETX>19<CR><LF>
<STX>1R|1|1751-7^^LN^Alb SerPl-mCnc|ICT|g/dl|3.3 to 5.5|<CR><ETX>EF<CR><LF>
<STX>2C|1|I|408C CCCD^0200 0000^Icteric Limit Error|I<CR><ETX>B3<CR><LF>
<STX>3R|2|6768-6^^LN^ALP SerPl-cCnc|55|units/l|42 to 141|N<CR><ETX>CA<CR><LF>
<STX>4R|3|1742-6^^LN^ALT SerPl-cCnc|ICT|units/l|10 to 47|<CR><ETX>BB<CR><LF>
<STX>5C|1|I|41E8 0000^0200 0000^Icteric Limit Error|I<CR><ETX>64<CR><LF>
<STX>6R|4|1920-8^^LN^AST SerPl-cCnc|^^^|units/l|11 to 38|<CR><ETX>60<CR><LF>
<STX>7C|1|I|41C8 0000^0000 0108^Chemistry Specific Error|I<CR><ETX>87<CR><LF>
<STX>0R|5|1968-7^^LN^Bilirub Direct SerPl-mCnc|0.2|mg/dl|0.0 to 0.3|N<CR><ETX>8F<CR><LF>
<STX>1R|6|1975-2^^LN^Bilirub SerPl-mCnc|^^^|mg/dl|0.2 to 1.6|<<CR><ETX>ED<CR><LF>
<STX>2C|1|I|3F66 6666^0004 0000^Concentration < Low System Limit|I<CR><ETX>43<CR><LF>
<STX>3R|7|2885-2^^LN^Prot SerPl-mCnc|7.3|g/dl|6.4 to 8.1|N<CR><ETX>92<CR><LF>
<STX>40|2|||^^^* QUALITY CONTROL REPORT *: 4700D||20060401145222||||8||||||8|||||||||||Q<CR><ETX>CC<CR><LF>
<STX>5C|1|I|^^CHEMISTRY QC: 99|G<CR><ETX>4A<CR><LF>
<STX>6C|2|I|^^ACCEPTABLE MINIMUM: 50|G<CR><ETX>13<CR><LF>
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<STX>0R|2|^^^LEVEL 1: IQC 2|101||90 to 110|<CR><ETX>CD<CR><LF>
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<STX>0R|10|^^^LEVEL 2: 340 nm|98||95 to 105|<CR><ETX>48<CR><LF>
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<STX>4R|14|^^^LEVEL 2: 515 nm|99||95 to 105|<CR><ETX>4D<CR><LF>
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<STX>6R|16|^^^LEVEL 2: 600 nm|97||95 to 105|<CR><ETX>4A<CR><LF>
<STX>7R|17|^^^LEVEL 2: 630 nm|103||95 to 105|<CR><ETX>73<CR><LF>
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<STX>1H|¥^&|||ABAXIS, INC.^piccolo xpress^2.1.9^0000V0000D|||||||D|E 1394-97|20060401150355<CR><ETX>E9<CR><LF>
<STX>2P|1|1|44444|33333||||19530225|M|||||789-012-3456||88888^53 Yrs.^|Patient||||||||||66666<CR><ETX>21<CR><LF>
<STX>30|1|||^^^RENAL FUNCTION PANEL: 4900D||20060401145913||||9||||||9|||||||||Q<CR><ETX>66<CR><LF>
<STX>4C|1|I|^^INST QC: OK   CHEM QC: OK|G<CR><ETX>1F<CR><LF>
<STX>5C|2|I|^^HEM: -32 LIP: 210 ICT: 5|G<CR><ETX>1D<CR><LF>
<STX>6C|3|I|^^|G<CR><ETX>1D<CR><LF>
<STX>7C|4|I|^^|G<CR><ETX>1F<CR><LF>
<STX>0C|5|I|^^|G<CR><ETX>19<CR><LF>
<STX>1R|1|2345-7^^LN^Glucose SerPl-mCnc|LIP|mg/dl|73 to 118|<CR><ETX>FC<CR><LF>
<STX>2C|1|I|42C0 0000^0600 0000^Lipemic Limit Error|I<CR><ETX>64<CR><LF>
<STX>3R|2|3094-0^^LN^BUN SerPl-mCnc|15|mg/dl|7 to 22|N<CR><ETX>6B<CR><LF>
<STX>4R|3|17861-6^^LN^Calcium SerPl-mCnc|9.2|mg/dl|8.0 to 10.3|N<CR><ETX>73<CR><LF>
<STX>5R|4|2160-0^^LN^Creat SerPl-mCnc|0.9|mg/dl|0.6 to 1.2|N<CR><ETX>2D<CR><LF>
<STX>6R|5|1751-7^^LN^Alb SerPl-mCnc|4.4|g/dl|3.3 to 5.5|N<CR><ETX>F4<CR><LF>
<STX>7R|6|2777-1^^LN^Phosphate SerPl-mCnc|3.2|mg/dl|2.2 to 4.1|N<CR><ETX>F9<CR><LF>
<STX>0R|7|2951-2^^LN^Sodium SerPl-sCnc|<110*|mmol/l|128 to 145|<<CR><ETX>A1<CR><LF>
<STX>1C|1|I|4309 0000^0001 0000^Concentration < Low Dynamic Limit|I<CR><ETX>52<CR><LF>
<STX>2R|8|2823-3^^LN^Potassium SerPl-sCnc|^~~|mmol/l|3.6 to 5.1|<<CR><ETX>6F<CR><LF>
<STX>3C|1|I|4080 0000^0004 0000^Concentration < Low System Limit|I<CR><ETX>0B<CR><LF>
<STX>4R|9|2075-0^^LN^Chloride SerPl-sCnc|>135*|mmol/l|98 to 108|><CR><ETX>33<CR><LF>
<STX>5C|1|I|42CE 0000^0002 0000^Concentration > High Dynamic Limit|I<CR><ETX>BD<CR><LF>
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<STX>00|2|||^^^* QUALITY CONTROL REPORT *: 4900D||20060401145913||||9||||||9|||||||||Q<CR><ETX>DB<CR><LF>
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<STX>6R|4|^^^LEVEL 1: IQC 4|102||90 to 110|<CR><ETX>D0<CR><LF>
<STX>7R|5|^^^LEVEL 1: IQC 5|103||90 to 110|<CR><ETX>D4<CR><LF>
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<STX>4R|10|^^^LEVEL 2: 340 nm|98||95 to 105|<CR><ETX>44<CR><LF>
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<STX>4L|1|N<CR><ETX>04<CR><LF>

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<STX>2P|1|LEVEL IX||||||U|||||||ˆˆ|Control|||||||||||<CR><ETX>21<CR><LF>
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<STX>5C|2|I|ˆˆHEM: -32 LIP: 210 ICT:    5|G<CR><ETX>1D<CR><LF>
<STX>6C|3|I|ˆˆ|G<CR><ETX>1D<CR><LF>
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<STX>0C|5|I|ˆˆ|G<CR><ETX>19<CR><LF>
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<STX>3R|2|3094-0ˆˆLNˆBUN SerPl-mCnc|15|mg/dl||<CR><ETX>5F<CR><LF>
<STX>4R|3|2160-0ˆˆLNˆCreat SerPl-mCnc|LIP|mg/dl||<CR><ETX>E3<CR><LF>
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<STX>6R|4|2157-6ˆˆLNˆCK SerPl-cCnc|115|units/l||<CR><ETX>34<CR><LF>
<STX>7R|5|2951-2ˆˆLNˆSodium SerPl-sCnc|ICT|mmol/l||<CR><ETX>F2<CR><LF>
<STX>0C|1|I|4308 8000ˆ0200 0000ˆIcteric Limit Error|I<CR><ETX>5C<CR><LF>
<STX>1R|6|2823-3ˆˆLNˆPotassium SerPl-sCnc|4.0|mmol/l||<CR><ETX>FA<CR><LF>
<STX>2R|7|2075-0ˆˆLNˆChloride SerPl-sCnc|ˆˆˆ|mmol/l||><CR><ETX>83<CR><LF>
<STX>3C|1|I|461C 4000ˆ0008 0000ˆConcentration > High System Limit|I<CR><ETX>75<CR><LF>
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<STX>50|2|||ˆˆˆ* QUALITY CONTROL REPORT *: 4300D||20060401150503||||0||||||0|||||||||Q<CR><ETX>B7<CR><LF>
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<STX>3R|4|ˆˆˆLEVEL 1: IQC 4|102||90 to 110|<CR><ETX>CD<CR><LF>
<STX>4R|5|ˆˆˆLEVEL 1: IQC 5|103||90 to 110|<CR><ETX>D1<CR><LF>
<STX>5R|6|ˆˆˆLEVEL 1: IQC 6|106||90 to 110|<CR><ETX>D7<CR><LF>
<STX>6R|7|ˆˆˆLEVEL 1: IQC 7|109||90 to 110|<CR><ETX>DD<CR><LF>
<STX>7R|8|ˆˆˆLEVEL 1: IQC 8|108||90 to 110|<CR><ETX>DF<CR><LF>
<STX>0R|9|ˆˆˆLEVEL 2: PRE|100||95 to 105|<CR><ETX>95<CR><LF>
<STX>1R|10|ˆˆˆLEVEL 2: 340 nm|98||95 to 105|<CR><ETX>49<CR><LF>
<STX>2R|11|ˆˆˆLEVEL 2: 405 nm|99||95 to 105|<CR><ETX>4E<CR><LF>
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*** Example (LIS to Abaxis) Query message ***
*** patient ID 1, matching query results for ID 1 dumped below ***

<STX>1H|¥^&|||Heisenberg|Union City||510-675-6500<CR><ETX>9E<CR><LF>
<STX>2Q|1|1<CR><ETX>ED<CR><LF>
<STX>3L|1<CR><ETX>3C<CR><LF>

<STX>1H|¥^&|||ABAXIS, INC.^piccolo xpress^2.1.9^0000V0000D||||||D|E 1394-97|20060401150355<CR><ETX>E9<CR><LF>
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<STX>3O|1|||^^^RENAL FUNCTION PANEL: 4900D||20060401145913||||9||||||9|||||||||Q<CR><ETX>66<CR><LF>
<STX>4C|1|I|^^INST QC: OK   CHEM QC: OK|G<CR><ETX>1F<CR><LF>
<STX>5C|2|I|^^HEM: -32 LIP: 210 ICT: 5|G<CR><ETX>1D<CR><LF>
<STX>6C|3|I|^^|G<CR><ETX>1D<CR><LF>
<STX>7C|4|I|^^|G<CR><ETX>1F<CR><LF>
<STX>0C|5|I|^^|G<CR><ETX>19<CR><LF>
<STX>1R|1|2345-7^^LN^Glucose SerPl-mCnc|LIP|mg/dl|73 to 118|<CR><ETX>FC<CR><LF>
<STX>2C|1|I|42C0 0000^0600 0000^Lipemic Limit Error|I<CR><ETX>64<CR><LF>
<STX>3R|2|3094-0^^LN^BUN SerPl-mCnc|15|mg/dl|7 to 22|N<CR><ETX>6B<CR><LF>
<STX>4R|3|17861-6^^LN^Calcium SerPl-mCnc|9.2|mg/dl|8.0 to 10.3|N<CR><ETX>73<CR><LF>
<STX>5R|4|2160-0^^LN^Creat SerPl-mCnc|0.9|mg/dl|0.6 to 1.2|N<CR><ETX>2D<CR><LF>
<STX>6R|5|1751-7^^LN^Alb SerPl-mCnc|4.4|g/dl|3.3 to 5.5|N<CR><ETX>F4<CR><LF>
<STX>7R|6|2777-1^^LN^Phosphate SerPl-mCnc|3.2|mg/dl|2.2 to 4.1|N<CR><ETX>F9<CR><LF>
<STX>0R|7|2951-2^^LN^Sodium SerPl-sCnc|<110*|mmol/l|128 to 145|<<CR><ETX>A1<CR><LF>
<STX>1C|1|I|4309 0000^0001 0000^Concentration < Low Dynamic Limit|I<CR><ETX>52<CR><LF>
<STX>2R|8|2823-3^^LN^Potassium SerPl-sCnc|~~~|mmol/l|3.6 to 5.1|<<CR><ETX>6F<CR><LF>
<STX>3C|1|I|4080 0000^0004 0000^Concentration < Low System Limit|I<CR><ETX>0B<CR><LF>
<STX>4R|9|2075-0^^LN^Chloride SerPl-sCnc|>135*|mmol/l|98 to 108|><CR><ETX>33<CR><LF>
<STX>5C|1|I|42CE 0000^0002 0000^Concentration > High Dynamic Limit|I<CR><ETX>BD<CR><LF>
<STX>6R|10|2028-9^^LN^CO2 SerPl-sCnc|~~~|mmol/l|18 to 33|><CR><ETX>3C<CR><LF>
<STX>7C|1|I|41D0 0000^0008 0000^Concentration > High System Limit|I<CR><ETX>70<CR><LF>
<STX>0O|2|||^^^* QUALITY CONTROL REPORT *: 4900D||20060401145913||||9||||||9|||||||||Q<CR><ETX>DB<CR><LF>
<STX>1C|1|I|^^CHEMISTRY QC: 99|G<CR><ETX>4E<CR><LF>
<STX>2C|2|I|^^ACCEPTABLE MINIMUM: 50|G<CR><ETX>17<CR><LF>
<STX>3R|1|^^^LEVEL 1: IQC 1|102||90 to 110|<CR><ETX>C7<CR><LF>
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<STX>6R|4|^^^LEVEL 1: IQC 4|102||90 to 110|<CR><ETX>D0<CR><LF>
<STX>7R|5|^^^LEVEL 1: IQC 5|103||90 to 110|<CR><ETX>D4<CR><LF>
<STX>0R|6|^^^LEVEL 1: IQC 6|106||90 to 110|<CR><ETX>DA<CR><LF>
<STX>1R|7|^^^LEVEL 1: IQC 7|109||90 to 110|<CR><ETX>E0<CR><LF>
<STX>2R|8|^^^LEVEL 1: IQC 8|108||90 to 110|<CR><ETX>E2<CR><LF>
<STX>3R|9|^^^LEVEL 2: PRE|103||95 to 105|<CR><ETX>93<CR><LF>
<STX>4R|10|^^^LEVEL 2: 340 nm|98||95 to 105|<CR><ETX>44<CR><LF>
<STX>5R|11|^^^LEVEL 2: 405 nm|99||95 to 105|<CR><ETX>49<CR><LF>
<STX>6R|12|^^^LEVEL 2: 467 nm|99||95 to 105|<CR><ETX>53<CR><LF>
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<STX>0R|14|^^^LEVEL 2: 515 nm|99||95 to 105|<CR><ETX>51<CR><LF>
<STX>1R|15|^^^LEVEL 2: 550 nm|98||95 to 105|<CR><ETX>51<CR><LF>
<STX>2R|16|^^^LEVEL 2: 600 nm|97||95 to 105|<CR><ETX>4E<CR><LF>
<STX>3R|17|^^^LEVEL 2: 630 nm|103||95 to 105|<CR><ETX>6F<CR><LF>
<STX>4L|1|N<CR><ETX>04<CR><LF>

*** Example (LIS to Abaxis) Query message ***
*** patient ID level v, matching query results for LEVEL V CONTROL rotors dumped below ***

```
<STX>1H|¥^&|||Heisenberg|Union City||510-675-6500<CR><ETX>9E<CR><LF>
<STX>2Q|1|level v<CR><ETX>6A<CR><LF>
<STX>3L|1<CR><ETX>3C<CR><LF>


<STX>1H|¥^&|||ABAXIS, INC.^piccolo xpress^2.1.9^0000V0000D|||||||D|E 1394-97|20060401143301<CR><ETX>E2<CR><LF>
<STX>2P|1|LEVEL V|||||||U|||||||^^|Control|||||||||||<CR><ETX>21<CR><LF>
<STX>30|1|||^^^ELECTROLYTE PANEL: 4200D||20060401142819||||4||||||4|||||||||Q<CR><ETX>AB<CR><LF>
<STX>4C|1|I|^^INST QC: OK    CHEM QC: OK|G<CR><ETX>1F<CR><LF>
<STX>5C|2|I|^^HEM: -32 LIP: 210 ICT:    5|G<CR><ETX>1D<CR><LF>
<STX>6C|3|I|^^|G<CR><ETX>1D<CR><LF>
<STX>7C|4|I|^^|G<CR><ETX>2C<CR><LF>
<STX>0C|5|I|^^Control Renewal Required|G<CR><ETX>7D<CR><LF>
<STX>1R|1|2951-2^^LN^Sodium SerPl-sCnc|ICT|mmol/l||<CR><ETX>F0<CR><LF>
<STX>2C|1|I|4308 8000^0200 0000^Icteric Limit Error|I<CR><ETX>5E<CR><LF>
<STX>3R|2|2823-3^^LN^Potassium SerPl-sCnc|LIP|mmol/l||<CR><ETX>43<CR><LF>
<STX>4C|1|I|4096 6666^0600 0000^Lipemic Limit Error|I<CR><ETX>70<CR><LF>
<STX>5R|3|2075-0^^LN^Chloride SerPl-sCnc|^^^|mmol/l||<CR><ETX>7A<CR><LF>
<STX>6C|1|I|47C3 5000^0008 0000^Concentration > High System Limit|I<CR><ETX>7C<CR><LF>
<STX>7R|4|2028-9^^LN^CO2 SerPl-sCnc|^^^|mmol/l||<CR><ETX>E0<CR><LF>
<STX>0C|1|I|41CC 0000^0020 0080^False Rate (Unexpected Reaction Occurred)|I<CR><ETX>35<CR><LF>
<STX>10|2|||^^^* QUALITY CONTROL REPORT *: 4200D||20060401142819||||4||||||4|||||||||Q<CR><ETX>CD<CR><LF>
<STX>2C|1|I|^^CHEMISTRY QC:          0|G<CR><ETX>2D<CR><LF>
<STX>3C|2|I|^^ACCEPTABLE MINIMUM:    50|G<CR><ETX>10<CR><LF>
<STX>4R|1|^^^LEVEL 1: IQC 1|102||90 to 110|<CR><ETX>C8<CR><LF>
<STX>5R|2|^^^LEVEL 1: IQC 2|101||90 to 110|<CR><ETX>CA<CR><LF>
<STX>6R|3|^^^LEVEL 1: IQC 3|102||90 to 110|<CR><ETX>CE<CR><LF>
<STX>7R|4|^^^LEVEL 1: IQC 4|102||90 to 110|<CR><ETX>D1<CR><LF>
<STX>0R|5|^^^LEVEL 1: IQC 5|103||90 to 110|<CR><ETX>D5<CR><LF>
<STX>1R|6|^^^LEVEL 1: IQC 6|106||90 to 110|<CR><ETX>DB<CR><LF>
<STX>2R|7|^^^LEVEL 1: IQC 7|109||90 to 110|<CR><ETX>E1<CR><LF>
<STX>3R|8|^^^LEVEL 1: IQC 8|108||90 to 110|<CR><ETX>DB<CR><LF>
<STX>4R|9|^^^LEVEL 2: PRE|101||95 to 105|<CR><ETX>92<CR><LF>
<STX>5R|10|^^^LEVEL 2: 340 nm|98||95 to 105|<CR><ETX>45<CR><LF>
<STX>6R|11|^^^LEVEL 2: 405 nm|99||95 to 105|<CR><ETX>4A<CR><LF>
<STX>7R|12|^^^LEVEL 2: 467 nm|99||95 to 105|<CR><ETX>54<CR><LF>
<STX>0R|13|^^^LEVEL 2: 500 nm|99||95 to 105|<CR><ETX>4A<CR><LF>
<STX>1R|14|^^^LEVEL 2: 515 nm|99||95 to 105|<CR><ETX>52<CR><LF>
<STX>2R|15|^^^LEVEL 2: 550 nm|98||95 to 105|<CR><ETX>52<CR><LF>
<STX>3R|16|^^^LEVEL 2: 600 nm|97||95 to 105|<CR><ETX>47<CR><LF>
<STX>4R|17|^^^LEVEL 2: 630 nm|101||95 to 105|<CR><ETX>6E<CR><LF>
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<STX>1H|¥ˆ&|||ABAXIS, INC.ˆpiccolo xpressˆ2.1.9ˆ0000V0000D|||||||D|E 1394-97|20060401145111<CR><ETX>E3<CR><LF>
<STX>2P|1|LEVEL V||||||U||||||ˆˆ|Control|||||||||||<CR><ETX>21<CR><LF>
<STX>30|1|||ˆˆLIPID PANEL: 4600D||20060401144629||||7||||||7|||||||||Q<CR><ETX>DC<CR><LF>
<STX>4C|1|I|ˆˆINST QC: OK   CHEM QC: OK|G<CR><ETX>1F<CR><LF>
<STX>5C|2|I|ˆˆHEM: -32 LIP: 210 ICT: 5|G<CR><ETX>1D<CR><LF>
<STX>6C|3|I|ˆˆ|G<CR><ETX>1D<CR><LF>
<STX>7C|4|I|ˆˆ|G<CR><ETX>1F<CR><LF>
<STX>0C|5|I|ˆˆ|G<CR><ETX>19<CR><LF>
<STX>1R|1|2093-3ˆˆLNˆCholest SerPl-mCnc|ICT|mg/dl||<CR><ETX>CC<CR><LF>
<STX>2C|1|I|4353 0000ˆ0200 0000ˆIcteric Limit Error|I<CR><ETX>56<CR><LF>
<STX>3R|2|2085-9ˆˆLNˆHDLc SerPl-mCnc|LIP|mg/dl||<CR><ETX>3C<CR><LF>
<STX>4C|1|I|4210 0000ˆ0600 0000ˆLipemic Limit Error|I<CR><ETX>4C<CR><LF>
<STX>5R|3|2571-8ˆˆLNˆTrigl SerPl-mCnc|HEM|mg/dl||<CR><ETX>FA<CR><LF>
<STX>6C|1|I|42E6 0000ˆ0E00 0000ˆHemolysis Limit Error|I<CR><ETX>71<CR><LF>
<STX>7R|4|9830-1ˆˆLNˆCholest/HDLc SerPl-mRto|ˆˆˆ|||<CR><ETX>23<CR><LF>
<STX>0C|1|I|40BC CCCDˆ0000 0001ˆChemistry Specific Error|I<CR><ETX>D6<CR><LF>
<STX>1R|5|13457-7ˆˆLNˆLDLc SerPl Calc-mCnc|152c|mg/dl||<CR><ETX>25<CR><LF>
<STX>2R|6|13458-5ˆˆLNˆVLDLc SerPl Calc-mCnc|23c|mg/dl||<CR><ETX>49<CR><LF>
<STX>30|2|||ˆˆ∗ QUALITY CONTROL REPORT ∗: 4600D||20060401144629||||7||||||7|||||||||Q<CR><ETX>D2<CR><LF>
<STX>4C|1|I|ˆˆCHEMISTRY QC: 99|G<CR><ETX>49<CR><LF>
<STX>5C|2|I|ˆˆACCEPTABLE MINIMUM: 50|G<CR><ETX>12<CR><LF>
<STX>6R|1|ˆˆˆLEVEL 1: IQC 1|102||90 to 110|<CR><ETX>CA<CR><LF>
<STX>7R|2|ˆˆˆLEVEL 1: IQC 2|101||90 to 110|<CR><ETX>CC<CR><LF>
<STX>0R|3|ˆˆˆLEVEL 1: IQC 3|102||90 to 110|<CR><ETX>D0<CR><LF>
<STX>1R|4|ˆˆˆLEVEL 1: IQC 4|102||90 to 110|<CR><ETX>D3<CR><LF>
<STX>2R|5|ˆˆˆLEVEL 1: IQC 5|103||90 to 110|<CR><ETX>D7<CR><LF>
<STX>3R|6|ˆˆˆLEVEL 1: IQC 6|106||90 to 110|<CR><ETX>D5<CR><LF>
<STX>4R|7|ˆˆˆLEVEL 1: IQC 7|109||90 to 110|<CR><ETX>DB<CR><LF>
<STX>5R|8|ˆˆˆLEVEL 1: IQC 8|108||90 to 110|<CR><ETX>DD<CR><LF>
<STX>6R|9|ˆˆˆLEVEL 2: PRE|103||95 to 105|<CR><ETX>96<CR><LF>
<STX>7R|10|ˆˆˆLEVEL 2: 340 nm|98||95 to 105|<CR><ETX>47<CR><LF>
<STX>0R|11|ˆˆˆLEVEL 2: 405 nm|99||95 to 105|<CR><ETX>4C<CR><LF>
<STX>1R|12|ˆˆˆLEVEL 2: 467 nm|99||95 to 105|<CR><ETX>56<CR><LF>
<STX>2R|13|ˆˆˆLEVEL 2: 500 nm|99||95 to 105|<CR><ETX>4C<CR><LF>
<STX>3R|14|ˆˆˆLEVEL 2: 515 nm|99||95 to 105|<CR><ETX>4C<CR><LF>
<STX>4R|15|ˆˆˆLEVEL 2: 550 nm|98||95 to 105|<CR><ETX>4C<CR><LF>
<STX>5R|16|ˆˆˆLEVEL 2: 600 nm|97||95 to 105|<CR><ETX>49<CR><LF>
<STX>6R|17|ˆˆˆLEVEL 2: 630 nm|103||95 to 105|<CR><ETX>72<CR><LF>
<STX>7L|1|N<CR><ETX>07<CR><LF>

*** Example (LIS to Abaxis) Query message ***
*** patient ID LEVEL IX, query results for LEVEL IX CONTROL rotor dumped below ***

<STX>1H|¥^&|||Heisenberg|Union City||510-675-6500<CR><ETX>9E<CR><LF>
<STX>2Q|1|LEVEL IX<CR><ETX>F5<CR><LF>
<STX>3L|1<CR><ETX>3C<CR><LF>

<STX>1H|¥^&|||ABAXIS, INC.^piccolo xpress^2.1.9^0000V0000D|||||||D|E 1394-97|20060401150945<CR><ETX>EE<CR><LF>
<STX>2P|1|LEVEL IX||||||U|||||||^^|Control||||||||||<CR><ETX>21<CR><LF>
<STX>3O|1|||^^^METLYTE 8: 4300D||20060401150503||||0||||||0|||||||||Q<CR><ETX>39<CR><LF>
<STX>4C|1|I|^^INST QC: OK   CHEM QC: OK|G<CR><ETX>1F<CR><LF>
<STX>5C|2|I|^^HEM: -32 LIP: 210 ICT: 5|G<CR><ETX>1D<CR><LF>
<STX>6C|3|I|^^|G<CR><ETX>1D<CR><LF>
<STX>7C|4|I|^^|G<CR><ETX>1F<CR><LF>
<STX>0C|5|I|^^|G<CR><ETX>19<CR><LF>
<STX>1R|1|2345-7^^LN^Glucose SerPl-mCnc|HEM|mg/dl||<CR><ETX>CA<CR><LF>
<STX>2C|1|I|42BF 0000^0E00 0000^Hemolysis Limit Error|I<CR><ETX>82<CR><LF>
<STX>3R|2|3094-0^^LN^BUN SerPl-mCnc|15|mg/dl||<CR><ETX>5F<CR><LF>
<STX>4R|3|2160-0^^LN^Creat SerPl-mCnc|LIP|mg/dl||<CR><ETX>E3<CR><LF>
<STX>5C|1|I|3F66 6666^0600 0000^Lipemic Limit Error|I<CR><ETX>83<CR><LF>
<STX>6R|4|2157-6^^LN^CK SerPl-cCnc|115|units/l||<CR><ETX>34<CR><LF>
<STX>7R|5|2951-2^^LN^Sodium SerPl-sCnc|ICT|mmol/l||<CR><ETX>F2<CR><LF>
<STX>0C|1|I|4308 8000^0200 0000^Icteric Limit Error|I<CR><ETX>5C<CR><LF>
<STX>1R|6|2823-3^^LN^Potassium SerPl-sCnc|4.0|mmol/l||<CR><ETX>FA<CR><LF>
<STX>2R|7|2075-0^^LN^Chloride SerPl-sCnc|^~~|mmol/l||><CR><ETX>83<CR><LF>
<STX>3C|1|I|461C 4000^0008 0000^Concentration > High System Limit|I<CR><ETX>75<CR><LF>
<STX>4R|8|2028-9^^LN^CO2 SerPl-sCnc|26|mmol/l||<CR><ETX>CF<CR><LF>
<STX>50|2|||^^^* QUALITY CONTROL REPORT *: 4300D||20060401150503||||0||||||0|||||||||Q<CR><ETX>B7<CR><LF>
<STX>6C|1|I|^^CHEMISTRY QC: 99|G<CR><ETX>4B<CR><LF>
<STX>7C|2|I|^^ACCEPTABLE MINIMUM: 50|G<CR><ETX>14<CR><LF>
<STX>0R|1|^^^LEVEL 1: IQC 1|102||90 to 110|<CR><ETX>CC<CR><LF>
<STX>1R|2|^^^LEVEL 1: IQC 2|101||90 to 110|<CR><ETX>CE<CR><LF>
<STX>2R|3|^^^LEVEL 1: IQC 3|102||90 to 110|<CR><ETX>D2<CR><LF>
<STX>3R|4|^^^LEVEL 1: IQC 4|102||90 to 110|<CR><ETX>CD<CR><LF>
<STX>4R|5|^^^LEVEL 1: IQC 5|103||90 to 110|<CR><ETX>D1<CR><LF>
<STX>5R|6|^^^LEVEL 1: IQC 6|106||90 to 110|<CR><ETX>D7<CR><LF>
<STX>6R|7|^^^LEVEL 1: IQC 7|109||90 to 110|<CR><ETX>DD<CR><LF>
<STX>7R|8|^^^LEVEL 1: IQC 8|108||90 to 110|<CR><ETX>DF<CR><LF>
<STX>0R|9|^^^LEVEL 2: PRE|100||95 to 105|<CR><ETX>95<CR><LF>
<STX>1R|10|^^^LEVEL 2: 340 nm|98||95 to 105|<CR><ETX>49<CR><LF>
<STX>2R|11|^^^LEVEL 2: 405 nm|99||95 to 105|<CR><ETX>4E<CR><LF>
<STX>3R|12|^^^LEVEL 2: 467 nm|99||95 to 105|<CR><ETX>50<CR><LF>
<STX>4R|13|^^^LEVEL 2: 500 nm|99||95 to 105|<CR><ETX>46<CR><LF>
<STX>5R|14|^^^LEVEL 2: 515 nm|99||95 to 105|<CR><ETX>4E<CR><LF>
<STX>6R|15|^^^LEVEL 2: 550 nm|98||95 to 105|<CR><ETX>4E<CR><LF>
<STX>7R|16|^^^LEVEL 2: 600 nm|97||95 to 105|<CR><ETX>4B<CR><LF>
<STX>0R|17|^^^LEVEL 2: 630 nm|100||95 to 105|<CR><ETX>71<CR><LF>
<STX>1L|1|N<CR><ETX>09<CR><LF>

*** Example (LIS to Abaxis) Query message ***
*** patient ID ALL, query results for all rotors with results between 2006 04/01 14:00:19 & 2006 04/01 14:45:03 dumped below ***

<STX>1H|¥ˆ&|||Heisenberg|Union City||510-675-6500<CR><ETX>9E<CR><LF>
<STX>2Q|1|ALL|||||20060401140019|20060401144503<CR><ETX>78<CR><LF>
<STX>3L|1<CR><ETX>3C<CR><LF>

<STX>1H|¥ˆ&|||ABAXIS, INC.ˆpiccolo xpressˆ2.1.9ˆ0000V0000D|||||||D|E 1394-97|20060401143301<CR><ETX>E2<CR><LF>
<STX>2P|1|LEVEL V|||||||U|||||||ˆˆ|Control|||||||||||<CR><ETX>21<CR><LF>
<STX>3O|1||||ˆˆˆELECTROLYTE PANEL: 4200D||20060401142819||||4|||||||4|||||||||||Q<CR><ETX>AB<CR><LF>
<STX>4C|1|I|ˆˆINST QC: OK   CHEM QC: OK|G<CR><ETX>1F<CR><LF>
<STX>5C|2|I|ˆˆHEM: -32 LIP: 210 ICT: 5|G<CR><ETX>1D<CR><LF>
<STX>6C|3|I|ˆˆ|G<CR><ETX>1D<CR><LF>
<STX>7C|4|I|ˆˆ|G<CR><ETX>2C<CR><LF>
<STX>0C|5|I|ˆˆControl Renewal Required|G<CR><ETX>7D<CR><LF>
<STX>1R|1|2951-2ˆˆLNˆSodium SerPl-sCnc|ICT|mmol/l||<CR><ETX>F0<CR><LF>
<STX>2C|1|I|4308 8000ˆ0200 0000ˆIcteric Limit Error|I<CR><ETX>5E<CR><LF>
<STX>3R|2|2823-3ˆˆLNˆPotassium SerPl-sCnc|LIP|mmol/l||<CR><ETX>43<CR><LF>
<STX>4C|1|I|4096 6666ˆ0600 0000ˆLipemic Limit Error|I<CR><ETX>70<CR><LF>
<STX>5R|3|2075-0ˆˆLNˆChloride SerPl-sCnc|ˆˆˆ|mmol/l||<CR><ETX>7A<CR><LF>
<STX>6C|1|I|47C3 5000ˆ0008 0000ˆConcentration > High System Limit|I<CR><ETX>7C<CR><LF>
<STX>7R|4|2028-9ˆˆLNˆCO2 SerPl-sCnc|ˆˆˆ|mmol/l||<CR><ETX>E0<CR><LF>
<STX>0C|1|I|41CC 0000ˆ0020 0080ˆFalse Rate (Unexpected Reaction Occurred)|I<CR><ETX>35<CR><LF>
<STX>10|2|||ˆˆˆ* QUALITY CONTROL REPORT *: 4200D||20060401142819||||4|||||||4|||||||||||Q<CR><ETX>CD<CR><LF>
<STX>2C|1|I|ˆˆCHEMISTRY QC: 0|G<CR><ETX>2D<CR><LF>
<STX>3C|2|I|ˆˆACCEPTABLE MINIMUM: 50|G<CR><ETX>10<CR><LF>
<STX>4R|1|ˆˆˆLEVEL 1: IQC 1|102||90 to 110|<CR><ETX>C8<CR><LF>
<STX>5R|2|ˆˆˆLEVEL 1: IQC 2|101||90 to 110|<CR><ETX>CA<CR><LF>
<STX>6R|3|ˆˆˆLEVEL 1: IQC 3|102||90 to 110|<CR><ETX>CE<CR><LF>
<STX>7R|4|ˆˆˆLEVEL 1: IQC 4|102||90 to 110|<CR><ETX>D1<CR><LF>
<STX>0R|5|ˆˆˆLEVEL 1: IQC 5|103||90 to 110|<CR><ETX>D5<CR><LF>
<STX>1R|6|ˆˆˆLEVEL 1: IQC 6|106||90 to 110|<CR><ETX>DB<CR><LF>
<STX>2R|7|ˆˆˆLEVEL 1: IQC 7|109||90 to 110|<CR><ETX>E1<CR><LF>
<STX>3R|8|ˆˆˆLEVEL 1: IQC 8|108||90 to 110|<CR><ETX>DB<CR><LF>
<STX>4R|9|ˆˆˆLEVEL 2: PRE|101||95 to 105|<CR><ETX>92<CR><LF>
<STX>5R|10|ˆˆˆLEVEL 2: 340 nm|98||95 to 105|<CR><ETX>45<CR><LF>
<STX>6R|11|ˆˆˆLEVEL 2: 405 nm|99||95 to 105|<CR><ETX>4A<CR><LF>
<STX>7R|12|ˆˆˆLEVEL 2: 467 nm|99||95 to 105|<CR><ETX>54<CR><LF>
<STX>0R|13|ˆˆˆLEVEL 2: 500 nm|99||95 to 105|<CR><ETX>4A<CR><LF>
<STX>1R|14|ˆˆˆLEVEL 2: 515 nm|99||95 to 105|<CR><ETX>52<CR><LF>
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<STX>3R|16|ˆˆˆLEVEL 2: 600 nm|97||95 to 105|<CR><ETX>47<CR><LF>
<STX>4R|17|ˆˆˆLEVEL 2: 630 nm|101||95 to 105|<CR><ETX>6E<CR><LF>
<STX>5L|1|N<CR><ETX>05<CR><LF>

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<STX>1H|¥ˆ&|||ABAXIS, INC.ˆpiccolo xpressˆ2.1.9ˆ0000V0000D|||||||D|E 1394-97|20060401144000<CR><ETX>DF<CR><LF>
<STX>2P|1|5|44444|33333||||19530225|M||||789-012-3456||88888ˆ53 Yrs.ˆ|Patient|||||||||66666<CR><ETX>21<CR><LF>
<STX>30|1|||ˆˆGENERAL CHEMISTRY 12: 1700D||20060401143518||||5||||||5|||||||||Q<CR><ETX>29<CR><LF>
<STX>4C|1|I|ˆˆINST QC: OK    CHEM QC: OK|G<CR><ETX>1F<CR><LF>
<STX>5C|2|I|ˆˆHEM:   24 LIP:  166 ICT:    1|G<CR><ETX>17<CR><LF>
<STX>6C|3|I|ˆˆ|G<CR><ETX>1D<CR><LF>
<STX>7C|4|I|ˆˆ|G<CR><ETX>1F<CR><LF>
<STX>0C|5|I|ˆˆ|G<CR><ETX>19<CR><LF>
<STX>1R|1|1751-7ˆˆLNˆAlb SerPl-mCnc|ICT|g/dl|3.3 to 5.5|<CR><ETX>EF<CR><LF>
<STX>2C|1|I|408C CCCDˆ0200 0000ˆIcteric Limit Error|I<CR><ETX>B3<CR><LF>
<STX>3R|2|6768-6ˆˆLNˆALP SerPl-cCnc|55|units/l|53 to 128|N<CR><ETX>D1<CR><LF>
<STX>4R|3|1742-6ˆˆLNˆALT SerPl-cCnc|HEM|units/l|10 to 47|<CR><ETX>B5<CR><LF>
<STX>5C|1|I|41E4 0000ˆ0E00 0000ˆHemolysis Limit Error|I<CR><ETX>6D<CR><LF>
<STX>6R|4|1798-8ˆˆLNˆAmylase SerPl-cCnc|56|units/l|14 to 97|N<CR><ETX>98<CR><LF>
<STX>7R|5|1920-8ˆˆLNˆAST SerPl-cCnc|LIP|units/l|11 to 38|<CR><ETX>CD<CR><LF>
<STX>0C|1|I|41C4 0000ˆ0600 0100ˆLipemic Limit Error|I<CR><ETX>66<CR><LF>
<STX>1R|6|1975-2ˆˆLNˆBilirub SerPl-mCnc|0.9|mg/dl|0.2 to 1.6|N<CR><ETX>1C<CR><LF>
<STX>2R|7|3094-0ˆˆLNˆBUN SerPl-mCnc|15|mg/dl|7 to 22|N<CR><ETX>77<CR><LF>
<STX>3R|8|17861-6ˆˆLNˆCalcium SerPl-mCnc|ICT|mg/dl|8.0 to 10.3|<CR><ETX>70<CR><LF>
<STX>4C|1|I|4112 6666ˆ0200 0002ˆIcteric Limit Error|I<CR><ETX>63<CR><LF>
<STX>5R|9|2093-3ˆˆLNˆCholest SerPl-mCnc|150|mg/dl|100 to 200|N<CR><ETX>1A<CR><LF>
<STX>6R|10|2160-0ˆˆLNˆCreat SerPl-mCnc|0.9|mg/dl|0.6 to 1.2|N<CR><ETX>5B<CR><LF>
<STX>7R|11|2345-7ˆˆLNˆGlucose SerPl-mCnc|96|mg/dl|73 to 118|N<CR><ETX>03<CR><LF>
<STX>0R|12|2885-2ˆˆLNˆProt SerPl-mCnc|7.3|g/dl|6.4 to 8.1|N<CR><ETX>C3<CR><LF>
<STX>10|2|||ˆˆˆ* QUALITY CONTROL REPORT *: 1700D||20060401143518||||5||||||5|||||||||Q<CR><ETX>CE<CR><LF>
<STX>2C|1|I|ˆˆCHEMISTRY QC:            0|G<CR><ETX>2D<CR><LF>
<STX>3C|2|I|ˆˆACCEPTABLE MINIMUM:    50|G<CR><ETX>10<CR><LF>
<STX>4R|1|ˆˆˆLEVEL 1: IQC 1|102||90 to 110|<CR><ETX>C8<CR><LF>
<STX>5R|2|ˆˆˆLEVEL 1: IQC 2|102||90 to 110|<CR><ETX>CB<CR><LF>
<STX>6R|3|ˆˆˆLEVEL 1: IQC 3|102||90 to 110|<CR><ETX>CE<CR><LF>
<STX>7R|4|ˆˆˆLEVEL 1: IQC 4|102||90 to 110|<CR><ETX>D1<CR><LF>
<STX>0R|5|ˆˆˆLEVEL 1: IQC 5|101||90 to 110|<CR><ETX>D3<CR><LF>
<STX>1R|6|ˆˆˆLEVEL 1: IQC 6|101||90 to 110|<CR><ETX>D6<CR><LF>
<STX>2R|7|ˆˆˆLEVEL 1: IQC 7|106||90 to 110|<CR><ETX>DE<CR><LF>
<STX>3R|8|ˆˆˆLEVEL 1: IQC 8|108||90 to 110|<CR><ETX>DB<CR><LF>
<STX>4R|9|ˆˆˆLEVEL 2: PRE|102||95 to 105|<CR><ETX>93<CR><LF>
<STX>5R|10|ˆˆˆLEVEL 2: 340 nm|99||95 to 105|<CR><ETX>46<CR><LF>
<STX>6R|11|ˆˆˆLEVEL 2: 405 nm|100||95 to 105|<CR><ETX>69<CR><LF>
<STX>7R|12|ˆˆˆLEVEL 2: 467 nm|100||95 to 105|<CR><ETX>73<CR><LF>
<STX>0R|13|ˆˆˆLEVEL 2: 500 nm|100||95 to 105|<CR><ETX>69<CR><LF>
<STX>1R|14|ˆˆˆLEVEL 2: 515 nm|100||95 to 105|<CR><ETX>71<CR><LF>
<STX>2R|15|ˆˆˆLEVEL 2: 550 nm|98||95 to 105|<CR><ETX>52<CR><LF>
<STX>3R|16|ˆˆˆLEVEL 2: 600 nm|98||95 to 105|<CR><ETX>48<CR><LF>
<STX>4R|17|ˆˆˆLEVEL 2: 630 nm|99||95 to 105|<CR><ETX>4E<CR><LF>
<STX>5L|1|N<CR><ETX>05<CR><LF>
```

```
<STX>1H|¥^&|||ABAXIS, INC.^piccolo xpress^2.1.9^0000V0000D|||||||D|E 1394-97|20060401144524<CR><ETX>EA<CR><LF>
<STX>2P|1|6|44444|33333||||19530225|F||||789-012-3456||88888^53 Yrs.^|Patient|||||||||66666<CR><ETX>21<CR><LF>
<STX>30|1||||^^^LIVER PANEL PLUS: 1100D||20060401144042||||6||||||6|||||||||||Q<CR><ETX>3B<CR><LF>
<STX>4C|1|I|^^INST QC: OK     CHEM QC: OK|G<CR><ETX>1F<CR><LF>
<STX>5C|2|I|^^HEM:  -32 LIP:  210 ICT:    5|G<CR><ETX>1D<CR><LF>
<STX>6C|3|I|^^|G<CR><ETX>1D<CR><LF>
<STX>7C|4|I|^^|G<CR><ETX>1F<CR><LF>
<STX>0C|5|I|^^|G<CR><ETX>19<CR><LF>
<STX>1R|1|1751-7^^LN^Alb SerPl-mCnc|ICT|g/dl|3.3 to 5.5|<CR><ETX>EF<CR><LF>
<STX>2C|1|I|408C CCCD^0200 0000^Icteric Limit Error|I<CR><ETX>B3<CR><LF>
<STX>3R|2|6768-6^^LN^ALP SerPl-cCnc|55|units/l|42 to 141|N<CR><ETX>CA<CR><LF>
<STX>4R|3|1742-6^^LN^ALT SerPl-cCnc|LIP|units/l|10 to 47|<CR><ETX>C0<CR><LF>
<STX>5C|1|I|41E4 0000^0600 0000^Lipemic Limit Error|I<CR><ETX>64<CR><LF>
<STX>6R|4|1798-8^^LN^Amylase SerPl-cCnc|56|units/l|14 to 97|N<CR><ETX>98<CR><LF>
<STX>7R|5|1920-8^^LN^AST SerPl-cCnc|<5*|units/l|11 to 38|<<CR><ETX>BF<CR><LF>
<STX>0C|1|I|41C4 0000^0001 0000^Concentration < Low Dynamic Limit|I<CR><ETX>5D<CR><LF>
<STX>1R|6|1975-2^^LN^Bilirub SerPl-mCnc|0.9|mg/dl|0.2 to 1.6|N<CR><ETX>1C<CR><LF>
<STX>2R|7|2324-2^^LN^GGT SerPl-cCnc|35|units/l|5 to 65|N<CR><ETX>69<CR><LF>
<STX>3R|8|2885-2^^LN^Prot SerPl-mCnc|7.3|g/dl|6.4 to 8.1|N<CR><ETX>93<CR><LF>
<STX>40|2|||^^^* QUALITY CONTROL REPORT *: 1100D||20060401144042||||6||||||6|||||||||||Q<CR><ETX>BE<CR><LF>
<STX>5C|1|I|^^CHEMISTRY QC:            0|G<CR><ETX>28<CR><LF>
<STX>6C|2|I|^^ACCEPTABLE MINIMUM:    50|G<CR><ETX>13<CR><LF>
<STX>7R|1|^^^LEVEL 1: IQC 1|102||90 to 110|<CR><ETX>CB<CR><LF>
<STX>0R|2|^^^LEVEL 1: IQC 2|101||90 to 110|<CR><ETX>CD<CR><LF>
<STX>1R|3|^^^LEVEL 1: IQC 3|102||90 to 110|<CR><ETX>D1<CR><LF>
<STX>2R|4|^^^LEVEL 1: IQC 4|102||90 to 110|<CR><ETX>D4<CR><LF>
<STX>3R|5|^^^LEVEL 1: IQC 5|103||90 to 110|<CR><ETX>D0<CR><LF>
<STX>4R|6|^^^LEVEL 1: IQC 6|106||90 to 110|<CR><ETX>D6<CR><LF>
<STX>5R|7|^^^LEVEL 1: IQC 7|109||90 to 110|<CR><ETX>DC<CR><LF>
<STX>6R|8|^^^LEVEL 1: IQC 8|108||90 to 110|<CR><ETX>DE<CR><LF>
<STX>7R|9|^^^LEVEL 2: PRE|103||95 to 105|<CR><ETX>97<CR><LF>
<STX>0R|10|^^^LEVEL 2: 340 nm|98||95 to 105|<CR><ETX>48<CR><LF>
<STX>1R|11|^^^LEVEL 2: 405 nm|99||95 to 105|<CR><ETX>4D<CR><LF>
<STX>2R|12|^^^LEVEL 2: 467 nm|99||95 to 105|<CR><ETX>57<CR><LF>
<STX>3R|13|^^^LEVEL 2: 500 nm|99||95 to 105|<CR><ETX>45<CR><LF>
<STX>4R|14|^^^LEVEL 2: 515 nm|99||95 to 105|<CR><ETX>4D<CR><LF>
<STX>5R|15|^^^LEVEL 2: 550 nm|98||95 to 105|<CR><ETX>4D<CR><LF>
<STX>6R|16|^^^LEVEL 2: 600 nm|97||95 to 105|<CR><ETX>4A<CR><LF>
<STX>7R|17|^^^LEVEL 2: 630 nm|103||95 to 105|<CR><ETX>73<CR><LF>
<STX>0L|1|N<CR><ETX>08<CR><LF>
```

*** Example (LIS to Abaxis) Query message ***
*** patient ID ALL, query results for all rotors with results ending 2006 04/01 14:28:19 dumped below ***


```
<STX>1H|¥^&|||Heisenberg|Union City||510-675-6500<CR><ETX>9E<CR><LF>
<STX>2Q|1|ALL|||||20060401142819<CR><ETX>BF<CR><LF>
<STX>3L|1<CR><ETX>3C<CR><LF>


<STX>1H|¥^&|||ABAXIS, INC.^piccolo xpress^2.1.9^0000V0000D|||||||D|E 1394-97|20060401143301<CR><ETX>E2<CR><LF>
<STX>2P|1|LEVEL V|||||||U||||||^^|Control||||||||||<CR><ETX>21<CR><LF>
<STX>30|1|||^^^ELECTROLYTE PANEL: 4200D||20060401142819||||4|||||||4|||||||||Q<CR><ETX>AB<CR><LF>
<STX>4C|1|I|^^INST QC: OK     CHEM QC: OK|G<CR><ETX>1F<CR><LF>
<STX>5C|2|I|^^HEM: -32 LIP: 210 ICT:    5|G<CR><ETX>1D<CR><LF>
<STX>6C|3|I|^^|G<CR><ETX>1D<CR><LF>
<STX>7C|4|I|^^|G<CR><ETX>2C<CR><LF>
<STX>0C|5|I|^^Control Renewal Required|G<CR><ETX>7D<CR><LF>
<STX>1R|1|2951-2^^LN^Sodium SerPl-sCnc|ICT|mmol/l||<CR><ETX>F0<CR><LF>
<STX>2C|1|I|4308 8000^0200 0000^Icteric Limit Error|I<CR><ETX>5E<CR><LF>
<STX>3R|2|2823-3^^LN^Potassium SerPl-sCnc|LIP|mmol/l||<CR><ETX>43<CR><LF>
<STX>4C|1|I|4096 6666^0600 0000^Lipemic Limit Error|I<CR><ETX>70<CR><LF>
<STX>5R|3|2075-0^^LN^Chloride SerPl-sCnc|^^^|mmol/l||<CR><ETX>7A<CR><LF>
<STX>6C|1|I|47C3 5000^0008 0000^Concentration > High System Limit|I<CR><ETX>7C<CR><LF>
<STX>7R|4|2028-9^^LN^CO2 SerPl-sCnc|^^^|mmol/l||<CR><ETX>E0<CR><LF>
<STX>0C|1|I|41CC 0000^0020 0080^False Rate (Unexpected Reaction Occurred)|I<CR><ETX>35<CR><LF>
<STX>10|2|||^^^* QUALITY CONTROL REPORT *: 4200D||20060401142819||||4|||||||4|||||||||Q<CR><ETX>CD<CR><LF>
<STX>2C|1|I|^^CHEMISTRY QC:          0|G<CR><ETX>2D<CR><LF>
<STX>3C|2|I|^^ACCEPTABLE MINIMUM:    50|G<CR><ETX>10<CR><LF>
<STX>4R|1|^^^LEVEL 1: IQC 1|102||90 to 110|<CR><ETX>C8<CR><LF>
<STX>5R|2|^^^LEVEL 1: IQC 2|101||90 to 110|<CR><ETX>CA<CR><LF>
<STX>6R|3|^^^LEVEL 1: IQC 3|102||90 to 110|<CR><ETX>CE<CR><LF>
<STX>7R|4|^^^LEVEL 1: IQC 4|102||90 to 110|<CR><ETX>D1<CR><LF>
<STX>0R|5|^^^LEVEL 1: IQC 5|103||90 to 110|<CR><ETX>D5<CR><LF>
<STX>1R|6|^^^LEVEL 1: IQC 6|106||90 to 110|<CR><ETX>DB<CR><LF>
<STX>2R|7|^^^LEVEL 1: IQC 7|109||90 to 110|<CR><ETX>E1<CR><LF>
<STX>3R|8|^^^LEVEL 1: IQC 8|108||90 to 110|<CR><ETX>DB<CR><LF>
<STX>4R|9|^^^LEVEL 2: PRE|101||95 to 105|<CR><ETX>92<CR><LF>
<STX>5R|10|^^^LEVEL 2: 340 nm|98||95 to 105|<CR><ETX>45<CR><LF>
<STX>6R|11|^^^LEVEL 2: 405 nm|99||95 to 105|<CR><ETX>4A<CR><LF>
<STX>7R|12|^^^LEVEL 2: 467 nm|99||95 to 105|<CR><ETX>54<CR><LF>
<STX>0R|13|^^^LEVEL 2: 500 nm|99||95 to 105|<CR><ETX>4A<CR><LF>
<STX>1R|14|^^^LEVEL 2: 515 nm|99||95 to 105|<CR><ETX>52<CR><LF>
<STX>2R|15|^^^LEVEL 2: 550 nm|98||95 to 105|<CR><ETX>52<CR><LF>
<STX>3R|16|^^^LEVEL 2: 600 nm|97||95 to 105|<CR><ETX>47<CR><LF>
<STX>4R|17|^^^LEVEL 2: 630 nm|101||95 to 105|<CR><ETX>6E<CR><LF>
<STX>5L|1|N<CR><ETX>05<CR><LF>
```

*** Example (LIS to Abaxis) Query message ***
*** patient ID ALL, query results for all rotors with results beginning 2006 04/01 15:05:03 dumped below ***

```
<STX>1H|¥^&|||Heisenberg|Union City||510-675-6500<CR><ETX>9E<CR><LF>
<STX>2Q|1|ALL|||||20060401150503<CR><ETX>3E<CR><LF>
<STX>3L|1<CR><ETX>3C<CR><LF>


<STX>1H|¥^&|||ABAXIS, INC.^piccolo xpress^2.1.9^0000V0000D|||||||D|E 1394-97|20060401150945<CR><ETX>EE<CR><LF>
<STX>2P|1|LEVEL IX||||||U|||||||^^|Control|||||||||||<CR><ETX>21<CR><LF>
<STX>30|1||||^^^METLYTE 8: 4300D||20060401150503||||0||||||0|||||||||Q<CR><ETX>39<CR><LF>
<STX>4C|1|I|^^INST QC: OK    CHEM QC: OK|G<CR><ETX>1F<CR><LF>
<STX>5C|2|I|^^HEM:  -32 LIP:  210 ICT:    5|G<CR><ETX>1D<CR><LF>
<STX>6C|3|I|^^|G<CR><ETX>1D<CR><LF>
<STX>7C|4|I|^^|G<CR><ETX>1F<CR><LF>
<STX>0C|5|I|^^|G<CR><ETX>19<CR><LF>
<STX>1R|1|2345-7^^LN^Glucose SerPl-mCnc|HEM|mg/dl||<CR><ETX>CA<CR><LF>
<STX>2C|1|I|42BF 0000^0E00 0000^Hemolysis Limit Error|I<CR><ETX>82<CR><LF>
<STX>3R|2|3094-0^^LN^BUN SerPl-mCnc|15|mg/dl||<CR><ETX>5F<CR><LF>
<STX>4R|3|2160-0^^LN^Creat SerPl-mCnc|LIP|mg/dl||<CR><ETX>E3<CR><LF>
<STX>5C|1|I|3F66 6666^0600 0000^Lipemic Limit Error|I<CR><ETX>83<CR><LF>
<STX>6R|4|2157-6^^LN^CK SerPl-cCnc|115|units/l||<CR><ETX>34<CR><LF>
<STX>7R|5|2951-2^^LN^Sodium SerPl-sCnc|ICT|mmol/l||<CR><ETX>F2<CR><LF>
<STX>0C|1|I|4308 8000^0200 0000^Icteric Limit Error|I<CR><ETX>5C<CR><LF>
<STX>1R|6|2823-3^^LN^Potassium SerPl-sCnc|4.0|mmol/l||<CR><ETX>FA<CR><LF>
<STX>2R|7|2075-0^^LN^Chloride SerPl-sCnc|^^^|mmol/l||><CR><ETX>83<CR><LF>
<STX>3C|1|I|461C 4000^0008 0000^Concentration > High System Limit|I<CR><ETX>75<CR><LF>
<STX>4R|8|2028-9^^LN^CO2 SerPl-sCnc|26|mmol/l||<CR><ETX>CF<CR><LF>
<STX>50|2|||^^^* QUALITY CONTROL REPORT *: 4300D||20060401150503||||0||||||0|||||||||Q<CR><ETX>B7<CR><LF>
<STX>6C|1|I|^^CHEMISTRY QC:            99|G<CR><ETX>4B<CR><LF>
<STX>7C|2|I|^^ACCEPTABLE MINIMUM:     50|G<CR><ETX>14<CR><LF>
<STX>0R|1|^^^LEVEL 1: IQC 1|102||90 to 110|<CR><ETX>CC<CR><LF>
<STX>1R|2|^^^LEVEL 1: IQC 2|101||90 to 110|<CR><ETX>CE<CR><LF>
<STX>2R|3|^^^LEVEL 1: IQC 3|102||90 to 110|<CR><ETX>D2<CR><LF>
<STX>3R|4|^^^LEVEL 1: IQC 4|102||90 to 110|<CR><ETX>CD<CR><LF>
<STX>4R|5|^^^LEVEL 1: IQC 5|103||90 to 110|<CR><ETX>D1<CR><LF>
<STX>5R|6|^^^LEVEL 1: IQC 6|106||90 to 110|<CR><ETX>D7<CR><LF>
<STX>6R|7|^^^LEVEL 1: IQC 7|109||90 to 110|<CR><ETX>DD<CR><LF>
<STX>7R|8|^^^LEVEL 1: IQC 8|108||90 to 110|<CR><ETX>DF<CR><LF>
<STX>0R|9|^^^LEVEL 2: PRE|100||95 to 105|<CR><ETX>95<CR><LF>
<STX>1R|10|^^^LEVEL 2: 340 nm|98||95 to 105|<CR><ETX>49<CR><LF>
<STX>2R|11|^^^LEVEL 2: 405 nm|99||95 to 105|<CR><ETX>4E<CR><LF>
<STX>3R|12|^^^LEVEL 2: 467 nm|99||95 to 105|<CR><ETX>50<CR><LF>
<STX>4R|13|^^^LEVEL 2: 500 nm|99||95 to 105|<CR><ETX>46<CR><LF>
<STX>5R|14|^^^LEVEL 2: 515 nm|99||95 to 105|<CR><ETX>4E<CR><LF>
<STX>6R|15|^^^LEVEL 2: 550 nm|98||95 to 105|<CR><ETX>4E<CR><LF>
<STX>7R|16|^^^LEVEL 2: 600 nm|97||95 to 105|<CR><ETX>4B<CR><LF>
<STX>0R|17|^^^LEVEL 2: 630 nm|100||95 to 105|<CR><ETX>71<CR><LF>
```

```
<STX>1L|1|N<CR><ETX>09<CR><LF>


*** Example (LIS to Abaxis) Query message ***
*** patient ID ALL, query results for all rotors with results between 2006 04/01 14:41:20 & 2006 04/01 14:58:02 dumped below ***

<STX>1H|¥^&|||Heisenberg|Union City||510-675-6500<CR><ETX>9E<CR><LF>
<STX>2Q|1|ALL||||20060401144120|20060401145802<CR><ETX>6F<CR><LF>
<STX>3L|1<CR><ETX>3C<CR><LF>


<STX>1H|¥^&|||ABAXIS, INC.^piccolo xpress^2.1.9^0000V0000D|||||||D|E 1394-97|20060401145111<CR><ETX>E3<CR><LF>
<STX>2P|1|LEVEL V|||||||U|||||||^^|Control|||||||||||<CR><ETX>21<CR><LF>
<STX>30|1||||^^^LIPID PANEL: 4600D||20060401144629||||7|||||||7|||||||||Q<CR><ETX>DC<CR><LF>
<STX>4C|1|I|^^INST QC: OK    CHEM QC: OK|G<CR><ETX>1F<CR><LF>
<STX>5C|2|I|^^HEM: -32 LIP:  210 ICT:     5|G<CR><ETX>1D<CR><LF>
<STX>6C|3|I|^^|G<CR><ETX>1D<CR><LF>
<STX>7C|4|I|^^|G<CR><ETX>1F<CR><LF>
<STX>0C|5|I|^^|G<CR><ETX>19<CR><LF>
<STX>1R|1|2093-3^^LN^Cholest SerPl-mCnc|ICT|mg/dl||<CR><ETX>CC<CR><LF>
<STX>2C|1|I|4353 0000^0200 0000^Icteric Limit Error|I<CR><ETX>56<CR><LF>
<STX>3R|2|2085-9^^LN^HDLc SerPl-mCnc|LIP|mg/dl||<CR><ETX>3C<CR><LF>
<STX>4C|1|I|4210 0000^0600 0000^Lipemic Limit Error|I<CR><ETX>4C<CR><LF>
<STX>5R|3|2571-8^^LN^Trigl SerPl-mCnc|HEM|mg/dl||<CR><ETX>FA<CR><LF>
<STX>6C|1|I|42E6 0000^0E00 0000^Hemolysis Limit Error|I<CR><ETX>71<CR><LF>
<STX>7R|4|9830-1^^LN^Cholest/HDLc SerPl-mRto|^^^|||<CR><ETX>23<CR><LF>
<STX>0C|1|I|40BC CCCD^0000 0001^Chemistry Specific Error|I<CR><ETX>D6<CR><LF>
<STX>1R|5|13457-7^^LN^LDLc SerPl Calc-mCnc|152c|mg/dl||<CR><ETX>25<CR><LF>
<STX>2R|6|13458-5^^LN^VLDLc SerPl Calc-mCnc|23c|mg/dl||<CR><ETX>49<CR><LF>
<STX>30|2||||^^^* QUALITY CONTROL REPORT *: 4600D||20060401144629||||7|||||||7|||||||||Q<CR><ETX>D2<CR><LF>
<STX>4C|1|I|^^CHEMISTRY QC:          99|G<CR><ETX>49<CR><LF>
<STX>5C|2|I|^^ACCEPTABLE MINIMUM:    50|G<CR><ETX>12<CR><LF>
<STX>6R|1|^^^LEVEL 1: IQC 1|102||90 to 110|<CR><ETX>CA<CR><LF>
<STX>7R|2|^^^LEVEL 1: IQC 2|101||90 to 110|<CR><ETX>CC<CR><LF>
<STX>0R|3|^^^LEVEL 1: IQC 3|102||90 to 110|<CR><ETX>D0<CR><LF>
<STX>1R|4|^^^LEVEL 1: IQC 4|102||90 to 110|<CR><ETX>D3<CR><LF>
<STX>2R|5|^^^LEVEL 1: IQC 5|103||90 to 110|<CR><ETX>D7<CR><LF>
<STX>3R|6|^^^LEVEL 1: IQC 6|106||90 to 110|<CR><ETX>D5<CR><LF>
<STX>4R|7|^^^LEVEL 1: IQC 7|109||90 to 110|<CR><ETX>DB<CR><LF>
<STX>5R|8|^^^LEVEL 1: IQC 8|108||90 to 110|<CR><ETX>DD<CR><LF>
<STX>6R|9|^^^LEVEL 2: PRE|103||95 to 105|<CR><ETX>96<CR><LF>
<STX>7R|10|^^^LEVEL 2: 340 nm|98||95 to 105|<CR><ETX>47<CR><LF>
<STX>0R|11|^^^LEVEL 2: 405 nm|99||95 to 105|<CR><ETX>4C<CR><LF>
<STX>1R|12|^^^LEVEL 2: 467 nm|99||95 to 105|<CR><ETX>56<CR><LF>
<STX>2R|13|^^^LEVEL 2: 500 nm|99||95 to 105|<CR><ETX>4C<CR><LF>
<STX>3R|14|^^^LEVEL 2: 515 nm|99||95 to 105|<CR><ETX>4C<CR><LF>
<STX>4R|15|^^^LEVEL 2: 550 nm|98||95 to 105|<CR><ETX>4C<CR><LF>
<STX>5R|16|^^^LEVEL 2: 600 nm|97||95 to 105|<CR><ETX>49<CR><LF>
<STX>6R|17|^^^LEVEL 2: 630 nm|103||95 to 105|<CR><ETX>72<CR><LF>
```

```
<STX>7L|1|N<CR><ETX>07<CR><LF>


<STX>1H|¥^&|||ABAXIS, INC.^piccolo xpress^2.1.9^0000V0000D|||||||D|E 1394-97|20060401145704<CR><ETX>EB<CR><LF>
<STX>2P|1|8|44444|33333||||19530225|U|||||789-012-3456||88888^53 Yrs.^|Patient|||||||||||66666<CR><ETX>21<CR><LF>
<STX>30|1|||^^^HEPATIC FUNCTION PANEL: 4700D||20060401145222||||8||||||8|||||||||Q<CR><ETX>E7<CR><LF>
<STX>4C|1|I|^^INST QC: OK    CHEM QC: OK|G<CR><ETX>1F<CR><LF>
<STX>5C|2|I|^^HEM: -32 LIP: 210 ICT:    5|G<CR><ETX>1D<CR><LF>
<STX>6C|3|I|^^|G<CR><ETX>1D<CR><LF>
<STX>7C|4|I|^^|G<CR><ETX>1F<CR><LF>
<STX>0C|5|I|^^|G<CR><ETX>19<CR><LF>
<STX>1R|1|1751-7^^LN^Alb SerPl-mCnc|ICT|g/dl|3.3 to 5.5|<CR><ETX>EF<CR><LF>
<STX>2C|1|I|408C CCCD^0200 0000^Icteric Limit Error|I<CR><ETX>B3<CR><LF>
<STX>3R|2|6768-6^^LN^ALP SerPl-cCnc|55|units/l|42 to 141|N<CR><ETX>CA<CR><LF>
<STX>4R|3|1742-6^^LN^ALT SerPl-cCnc|ICT|units/l|10 to 47|<CR><ETX>BB<CR><LF>
<STX>5C|1|I|41E8 0000^0200 0000^Icteric Limit Error|I<CR><ETX>64<CR><LF>
<STX>6R|4|1920-8^^LN^AST SerPl-cCnc|~~~|units/l|11 to 38|<CR><ETX>60<CR><LF>
<STX>7C|1|I|41C8 0000^0000 0108^Chemistry Specific Error|I<CR><ETX>87<CR><LF>
<STX>0R|5|1968-7^^LN^Bilirub Direct SerPl-mCnc|0.2|mg/dl|0.0 to 0.3|N<CR><ETX>8F<CR><LF>
<STX>1R|6|1975-2^^LN^Bilirub SerPl-mCnc|~~~|mg/dl|0.2 to 1.6|<<CR><ETX>ED<CR><LF>
<STX>2C|1|I|3F66 6666^0004 0000^Concentration < Low System Limit|I<CR><ETX>43<CR><LF>
<STX>3R|7|2885-2^^LN^Prot SerPl-mCnc|7.3|g/dl|6.4 to 8.1|N<CR><ETX>92<CR><LF>
<STX>40|2|||^^^* QUALITY CONTROL REPORT *: 4700D||20060401145222||||8||||||8|||||||||Q<CR><ETX>CC<CR><LF>
<STX>5C|1|I|^^CHEMISTRY QC:         99|G<CR><ETX>4A<CR><LF>
<STX>6C|2|I|^^ACCEPTABLE MINIMUM:   50|G<CR><ETX>13<CR><LF>
<STX>7R|1|^^^LEVEL 1: IQC 1|102||90 to 110|<CR><ETX>CB<CR><LF>
<STX>0R|2|^^^LEVEL 1: IQC 2|101||90 to 110|<CR><ETX>CD<CR><LF>
<STX>1R|3|^^^LEVEL 1: IQC 3|102||90 to 110|<CR><ETX>D1<CR><LF>
<STX>2R|4|^^^LEVEL 1: IQC 4|102||90 to 110|<CR><ETX>D4<CR><LF>
<STX>3R|5|^^^LEVEL 1: IQC 5|103||90 to 110|<CR><ETX>D0<CR><LF>
<STX>4R|6|^^^LEVEL 1: IQC 6|106||90 to 110|<CR><ETX>D6<CR><LF>
<STX>5R|7|^^^LEVEL 1: IQC 7|109||90 to 110|<CR><ETX>DC<CR><LF>
<STX>6R|8|^^^LEVEL 1: IQC 8|108||90 to 110|<CR><ETX>DE<CR><LF>
<STX>7R|9|^^^LEVEL 2: PRE|103||95 to 105|<CR><ETX>97<CR><LF>
<STX>0R|10|^^^LEVEL 2: 340 nm|98||95 to 105|<CR><ETX>48<CR><LF>
<STX>1R|11|^^^LEVEL 2: 405 nm|99||95 to 105|<CR><ETX>4D<CR><LF>
<STX>2R|12|^^^LEVEL 2: 467 nm|99||95 to 105|<CR><ETX>57<CR><LF>
<STX>3R|13|^^^LEVEL 2: 500 nm|99||95 to 105|<CR><ETX>45<CR><LF>
<STX>4R|14|^^^LEVEL 2: 515 nm|99||95 to 105|<CR><ETX>4D<CR><LF>
<STX>5R|15|^^^LEVEL 2: 550 nm|98||95 to 105|<CR><ETX>4D<CR><LF>
<STX>6R|16|^^^LEVEL 2: 600 nm|97||95 to 105|<CR><ETX>4A<CR><LF>
<STX>7R|17|^^^LEVEL 2: 630 nm|103||95 to 105|<CR><ETX>73<CR><LF>
<STX>0L|1|N<CR><ETX>08<CR><LF>
```

*** Example (LIS to Abaxis) Query message ***
*** patient ID LEVEL 5, query results for rotors with results between between 2006 04/01 14:41:20 & 2006 04/01 14:58:02 dumped below ***

<STX>1H|¥^&|||Heisenberg|Union City||510-675-6500<CR><ETX>9E<CR><LF>
<STX>2Q|1|LEVEL V||||20060401144120|20060401145802<CR><ETX>D1<CR><LF>
<STX>3L|1<CR><ETX>3C<CR><LF>

<STX>1H|¥^&|||ABAXIS, INC.^piccolo xpress^2.1.9^0000V0000D|||||||D|E 1394-97|20060401145111<CR><ETX>E3<CR><LF>
<STX>2P|1|LEVEL V|||||||U|||||||^^|Control|||||||||||<CR><ETX>21<CR><LF>
<STX>30|1||||^^^LIPID PANEL: 4600D||20060401144629||||7||||||7|||||||||Q<CR><ETX>DC<CR><LF>
<STX>4C|1|I|^^INST QC: OK   CHEM QC: OK|G<CR><ETX>1F<CR><LF>
<STX>5C|2|I|^^HEM: -32 LIP: 210 ICT: 5|G<CR><ETX>1D<CR><LF>
<STX>6C|3|I|^^|G<CR><ETX>1D<CR><LF>
<STX>7C|4|I|^^|G<CR><ETX>1F<CR><LF>
<STX>0C|5|I|^^|G<CR><ETX>19<CR><LF>
<STX>1R|1|2093-3^^LN^Cholest SerPl-mCnc|ICT|mg/dl||<CR><ETX>CC<CR><LF>
<STX>2C|1|I|4353 0000^0200 0000^Icteric Limit Error|I<CR><ETX>56<CR><LF>
<STX>3R|2|2085-9^^LN^HDLc SerPl-mCnc|LIP|mg/dl||<CR><ETX>3C<CR><LF>
<STX>4C|1|I|4210 0000^0600 0000^Lipemic Limit Error|I<CR><ETX>4C<CR><LF>
<STX>5R|3|2571-8^^LN^Trigl SerPl-mCnc|HEM|mg/dl||<CR><ETX>FA<CR><LF>
<STX>6C|1|I|42E6 0000^0E00 0000^Hemolysis Limit Error|I<CR><ETX>71<CR><LF>
<STX>7R|4|9830-1^^LN^Cholest/HDLc SerPl-mRto|^^^|||<CR><ETX>23<CR><LF>
<STX>0C|1|I|40BC CCCD^0000 0001^Chemistry Specific Error|I<CR><ETX>D6<CR><LF>
<STX>1R|5|13457-7^^LN^LDLc SerPl Calc-mCnc|152c|mg/dl||<CR><ETX>25<CR><LF>
<STX>2R|6|13458-5^^LN^VLDLc SerPl Calc-mCnc|23c|mg/dl||<CR><ETX>49<CR><LF>
<STX>30|2|||^^^* QUALITY CONTROL REPORT *: 4600D||20060401144629||||7||||||7|||||||||Q<CR><ETX>D2<CR><LF>
<STX>4C|1|I|^^CHEMISTRY QC: 99|G<CR><ETX>49<CR><LF>
<STX>5C|2|I|^^ACCEPTABLE MINIMUM: 50|G<CR><ETX>12<CR><LF>
<STX>6R|1|^^^LEVEL 1: IQC 1|102||90 to 110|<CR><ETX>CA<CR><LF>
<STX>7R|2|^^^LEVEL 1: IQC 2|101||90 to 110|<CR><ETX>CC<CR><LF>
<STX>0R|3|^^^LEVEL 1: IQC 3|102||90 to 110|<CR><ETX>D0<CR><LF>
<STX>1R|4|^^^LEVEL 1: IQC 4|102||90 to 110|<CR><ETX>D3<CR><LF>
<STX>2R|5|^^^LEVEL 1: IQC 5|103||90 to 110|<CR><ETX>D7<CR><LF>
<STX>3R|6|^^^LEVEL 1: IQC 6|106||90 to 110|<CR><ETX>D5<CR><LF>
<STX>4R|7|^^^LEVEL 1: IQC 7|109||90 to 110|<CR><ETX>DB<CR><LF>
<STX>5R|8|^^^LEVEL 1: IQC 8|108||90 to 110|<CR><ETX>DD<CR><LF>
<STX>6R|9|^^^LEVEL 2: PRE|103||95 to 105|<CR><ETX>96<CR><LF>
<STX>7R|10|^^^LEVEL 2: 340 nm|98||95 to 105|<CR><ETX>47<CR><LF>
<STX>0R|11|^^^LEVEL 2: 405 nm|99||95 to 105|<CR><ETX>4C<CR><LF>
<STX>1R|12|^^^LEVEL 2: 467 nm|99||95 to 105|<CR><ETX>56<CR><LF>
<STX>2R|13|^^^LEVEL 2: 500 nm|99||95 to 105|<CR><ETX>4C<CR><LF>
<STX>3R|14|^^^LEVEL 2: 515 nm|99||95 to 105|<CR><ETX>4C<CR><LF>
<STX>4R|15|^^^LEVEL 2: 550 nm|98||95 to 105|<CR><ETX>4C<CR><LF>
<STX>5R|16|^^^LEVEL 2: 600 nm|97||95 to 105|<CR><ETX>49<CR><LF>
<STX>6R|17|^^^LEVEL 2: 630 nm|103||95 to 105|<CR><ETX>72<CR><LF>
<STX>7L|1|N<CR><ETX>07<CR><LF>

*** Example (LIS to Abaxis) Query message ***
*** patient ID NULL ('¥0'), no query results message sent below for ID [NULL ('¥0')] for rotors with results between 2006 04/01 14:00:00 & 2006 04/01 14:27:28 ***

```
<STX>1H|¥^&|||Heisenberg|Union City||510-675-6500<CR><ETX>9E<CR><LF>
<STX>2Q|1|||||20060401140000|20060401142728<CR><ETX>B0<CR><LF>
<STX>3L|1<CR><ETX>3C<CR><LF>

<STX>1H|¥^&|||ABAXIS, INC.^piccolo xpress^2.1.9^0000V0000D|||||||D|E 1394-97|20060401155140<CR><ETX>E6<CR><LF>
<STX>2P|1<CR><ETX>BB<CR><LF>
<STX>3O|1|||||||||||||||||||||||||||Z<CR><ETX>39<CR><LF>
<STX>4C|1|I|^^:20060401140000:20060401142728:No Results for this Query|G<CR><ETX>6E<CR><LF>
<STX>5L|1|I<CR><ETX>03<CR><LF>
```

*** Example (LIS to Abaxis) Query message ***
*** patient ID NULL ('¥0'), no query results message sent below for ID [NULL ('¥0')] ***

```
<STX>1H|¥^&|||Heisenberg|Union City||510-675-6500<CR><ETX>9E<CR><LF>
<STX>2Q|1<CR><ETX>40<CR><LF>
<STX>3L|1<CR><ETX>3C<CR><LF>

<STX>1H|¥^&|||ABAXIS, INC.^piccolo xpress^2.1.9^0000V0000D|||||||D|E 1394-97|20060401155200<CR><ETX>E3<CR><LF>
<STX>2P|1<CR><ETX>BB<CR><LF>
<STX>3O|1|||||||||||||||||||||||||||Z<CR><ETX>39<CR><LF>
<STX>4C|1|I|^^:::No Results for this Query|G<CR><ETX>E6<CR><LF>
<STX>5L|1|I<CR><ETX>03<CR><LF>
```

*** Example (LIS to Abaxis) Query message ***
*** patient ID 11111, no query results message sent below for ID 11111 ***

```
<STX>1H|¥^&|||Heisenberg|Union City||510-675-6500<CR><ETX>9E<CR><LF>
<STX>2Q|1|11111<CR><ETX>B1<CR><LF>
<STX>3L|1<CR><ETX>3C<CR><LF>

<STX>1H|¥^&|||ABAXIS, INC.^piccolo xpress^2.1.9^0000V0000D|||||||D|E 1394-97|20060401155221<CR><ETX>E6<CR><LF>
<STX>2P|1|11111<CR><ETX>B0<CR><LF>
<STX>3O|1|||||||||||||||||||||||||||Z<CR><ETX>39<CR><LF>
<STX>4C|1|I|^^11111:::No Results for this Query|G<CR><ETX>DB<CR><LF>
<STX>5L|1|I<CR><ETX>03<CR><LF>
```

*** Example (LIS to Abaxis) Query message ***
*** patient ID LEVEL 5, no query results message sent below for ID LEVEL 5 ***

<STX>1H|¥^&|||Heisenberg|Union City||510-675-6500<CR><ETX>9E<CR><LF>
<STX>2Q|1|LEVEL 5<CR><ETX>89<CR><LF>
<STX>3L|1<CR><ETX>3C<CR><LF>

<STX>1H|¥^&|||ABAXIS, INC.^piccolo xpress^2.1.9^0000V0000D||||||D|E 1394-97|20060401155237<CR><ETX>ED<CR><LF>
<STX>2P|1|LEVEL 5<CR><ETX>88<CR><LF>
<STX>3O|1||||||||||||||||||||||||||Z<CR><ETX>39<CR><LF>
<STX>4C|1|I|^^LEVEL 5:::No Results for this Query|G<CR><ETX>B3<CR><LF>
<STX>5L|1|I<CR><ETX>03<CR><LF>

*** Example (LIS to Abaxis) Query message ***
*** patient ID level 9, no query results message sent below for ID level 9 ***

<STX>1H|¥^&|||Heisenberg|Union City||510-675-6500<CR><ETX>9E<CR><LF>
<STX>2Q|1|level 9<CR><ETX>2D<CR><LF>
<STX>3L|1<CR><ETX>3C<CR><LF>

<STX>1H|¥^&|||ABAXIS, INC.^piccolo xpress^2.1.9^0000V0000D||||||D|E 1394-97|20060401155309<CR><ETX>ED<CR><LF>
<STX>2P|1|LEVEL 9<CR><ETX>8C<CR><LF>
<STX>3O|1||||||||||||||||||||||||||Z<CR><ETX>39<CR><LF>
<STX>4C|1|I|^^LEVEL 9:::No Results for this Query|G<CR><ETX>B7<CR><LF>
<STX>5L|1|I<CR><ETX>03<CR><LF>

*** Example (LIS to Abaxis) Query message ***
*** patient ID 99999999999999999999, ^Q^Received Field Size Too Big & no query results messages sent below for ID 99999999999999999999 ***

<STX>1H|¥^&|||Heisenberg|Union City||510-675-6500<CR><ETX>9E<CR><LF>
<STX>2Q|1|99999999999999999999<CR><ETX>30<CR><LF>
<STX>3L|1<CR><ETX>3C<CR><LF>

<STX>1H|¥^&|||ABAXIS, INC.^piccolo xpress^2.1.9^0000V0000D||||||D|E 1394-97|20060401155422<CR><ETX>E9<CR><LF>
<STX>2C|1|I|^Q^Received Field Size Too Big|G<CR><ETX>AD<CR><LF>
<STX>3L|1|N<CR><ETX>06<CR><LF>

<STX>1H|¥^&|||ABAXIS, INC.^piccolo xpress^2.1.9^0000V0000D||||||D|E 1394-97|20060401155424<CR><ETX>EB<CR><LF>
<STX>2P|1|99999999999999<CR><ETX>D9<CR><LF>
<STX>3O|1||||||||||||||||||||||||||Z<CR><ETX>39<CR><LF>
<STX>4C|1|I|^^99999999999999:::No Results for this Query|G<CR><ETX>04<CR><LF>
<STX>5L|1|I<CR><ETX>03<CR><LF>

*** Example (LIS to Abaxis) Query message ***
*** patient ID 12345678901234, ˆQˆReceived BAD Q Record Sequence # & no query results messages sent below for ID 12345678901234 ***

<STX>1H|¥ˆ&|||Heisenberg|Union City||510-675-6500<CR><ETX>9E<CR><LF>
<STX>2Q|2|12345678901234<CR><ETX>94<CR><LF>
<STX>3L|1<CR><ETX>3C<CR><LF>

<STX>1H|¥ˆ&|||ABAXIS, INC.ˆpiccolo xpressˆ2.1.9ˆ0000V0000D|||||||D|E 1394-97|20060401155514<CR><ETX>EB<CR><LF>
<STX>2C|1|I|ˆQˆReceived BAD Q Record Sequence #|G<CR><ETX>DD<CR><LF>
<STX>3L|1|N<CR><ETX>06<CR><LF>

<STX>1H|¥ˆ&|||ABAXIS, INC.ˆpiccolo xpressˆ2.1.9ˆ0000V0000D|||||||D|E 1394-97|20060401155516<CR><ETX>ED<CR><LF>
<STX>2P|1|12345678901234<CR><ETX>92<CR><LF>
<STX>30|1|||||||||||||||||||||||||||Z<CR><ETX>39<CR><LF>
<STX>4C|1|I|ˆˆ12345678901234:::No Results for this Query|G<CR><ETX>BD<CR><LF>
<STX>5L|1|I<CR><ETX>03<CR><LF>

*** Example (LIS to Abaxis) Query message ***
*** patient ID 12345678901234, ˆLˆReceived BAD L Record Sequence # & no query results messages sent below for ID 12345678901234 ***

<STX>1H|¥ˆ&|||Heisenberg|Union City||510-675-6500<CR><ETX>9E<CR><LF>
<STX>2Q|1|12345678901234<CR><ETX>93<CR><LF>
<STX>3L|2<CR><ETX>3D<CR><LF>

<STX>1H|¥ˆ&|||ABAXIS, INC.ˆpiccolo xpressˆ2.1.9ˆ0000V0000D|||||||D|E 1394-97|20060401155554<CR><ETX>EF<CR><LF>
<STX>2C|1|I|ˆLˆReceived BAD L Record Sequence #|G<CR><ETX>D3<CR><LF>
<STX>3L|1|N<CR><ETX>06<CR><LF>

<STX>1H|¥ˆ&|||ABAXIS, INC.ˆpiccolo xpressˆ2.1.9ˆ0000V0000D|||||||D|E 1394-97|20060401155556<CR><ETX>F1<CR><LF>
<STX>2P|1|12345678901234<CR><ETX>92<CR><LF>
<STX>30|1|||||||||||||||||||||||||||Z<CR><ETX>39<CR><LF>
<STX>4C|1|I|ˆˆ12345678901234:::No Results for this Query|G<CR><ETX>BD<CR><LF>
<STX>5L|1|I<CR><ETX>03<CR><LF>

*** Example (LIS to Abaxis) Query message ***
*** patient ID 12345678901234, no query results message sent below for ID 12345678901234 ***

<STX>1H|¥ˆ&|||Heisenberg|Union City||510-675-6500<CR><ETX>9E<CR><LF>
<STX>2Q|1|12345678901234<CR><ETX>93<CR><LF>
<STX>3L|1|x<CR><ETX>30<CR><LF>

<STX>1H|¥ˆ&|||ABAXIS, INC.ˆpiccolo xpressˆ2.1.9ˆ0000V0000D|||||||D|E 1394-97|20060401155642<CR><ETX>ED<CR><LF>
<STX>2P|1|12345678901234<CR><ETX>92<CR><LF>
<STX>30|1|||||||||||||||||||||||||||Z<CR><ETX>39<CR><LF>
<STX>4C|1|I|ˆˆ12345678901234:::No Results for this Query|G<CR><ETX>BD<CR><LF>

\<STX\>5L|1|I\<CR\>\<ETX\>03\<CR\>\<LF\>

*** Example (LIS to Abaxis) Query message ***
*** patient ID 12345678901234, ^S^Received Record Out of Sequence & no query results messages sent below for ID 12345678901234 ***

\<STX\>1Q|1|12345678901234\<CR\>\<ETX\>92\<CR\>\<LF\>
\<STX\>2H|¥^&|||Heisenberg|Union City||510-675-6500\<CR\>\<ETX\>9F\<CR\>\<LF\>
\<STX\>3Q|1|12345678901234\<CR\>\<ETX\>94\<CR\>\<LF\>
\<STX\>4L|1|x\<CR\>\<ETX\>31\<CR\>\<LF\>

\<STX\>5S\<CR\>\<ETX\>98\<CR\>\<LF\>
\<STX\>1H|¥^&|||ABAXIS, INC.^piccolo xpress^2.1.9^0000V0000D|||||||D|E 1394-97|20060401155715\<CR\>\<ETX\>EE\<CR\>\<LF\>
\<STX\>2C|1|I|^S^Received Record Out of Sequence|G\<CR\>\<ETX\>91\<CR\>\<LF\>
\<STX\>3L|1|N\<CR\>\<ETX\>06\<CR\>\<LF\>

\<STX\>1H|¥^&|||ABAXIS, INC.^piccolo xpress^2.1.9^0000V0000D|||||||D|E 1394-97|20060401155716\<CR\>\<ETX\>EF\<CR\>\<LF\>
\<STX\>2P|1|12345678901234\<CR\>\<ETX\>92\<CR\>\<LF\>
\<STX\>3O|1||||||||||||||||||||||||||Z\<CR\>\<ETX\>39\<CR\>\<LF\>
\<STX\>4C|1|I|^^12345678901234:::No Results for this Query|G\<CR\>\<ETX\>BD\<CR\>\<LF\>
\<STX\>5L|1|I\<CR\>\<ETX\>03\<CR\>\<LF\>

*** Example (LIS to Abaxis) Query message ***
*** ^^Received Message NOT Supported message sent below ***

\<STX\>1H|¥^&|||Heisenberg|Union City||510-675-6500\<CR\>\<ETX\>9E\<CR\>\<LF\>
\<STX\>2Q|1|12345678901234\<CR\>\<ETX\>93\<CR\>\<LF\>
\<STX\>3R\<CR\>\<ETX\>95\<CR\>\<LF\>
\<STX\>4L|1\<CR\>\<ETX\>3D\<CR\>\<LF\>

\<STX\>1H|¥^&|||ABAXIS, INC.^piccolo xpress^2.1.9^0000V0000D|||||||D|E 1394-97|20060401155930\<CR\>\<ETX\>ED\<CR\>\<LF\>
\<STX\>2C|1|I|^^Received Message NOT Supported|G\<CR\>\<ETX\>F5\<CR\>\<LF\>
\<STX\>3L|1|N\<CR\>\<ETX\>06\<CR\>\<LF\>

*** Example (LIS to Abaxis) Query message ***
*** ^X^Received Invalid Record Type message sent below ***

\<STX\>1H|¥^&|||Heisenberg|Union City||510-675-6500\<CR\>\<ETX\>9E\<CR\>\<LF\>
\<STX\>2X\<CR\>\<ETX\>9A\<CR\>\<LF\>
\<STX\>3L|1\<CR\>\<ETX\>3C\<CR\>\<LF\>

\<STX\>1H|¥^&|||ABAXIS, INC.^piccolo xpress^2.1.9^0000V0000D|||||||D|E 1394-97|20060401160011\<CR\>\<ETX\>DF\<CR\>\<LF\>
\<STX\>2C|1|I|^X^Received Invalid Record Type|G\<CR\>\<ETX\>99\<CR\>\<LF\>
\<STX\>3L|1|N\<CR\>\<ETX\>06\<CR\>\<LF\>

*** Example (LIS to Abaxis) Query message ***
*** patient ID 12345678901234, ^X^Received Invalid Record Type message sent below ***

```
<STX>1H|¥^&|||Heisenberg|Union City||510-675-6500<CR><ETX>9E<CR><LF>
<STX>2Q|1|12345678901234<CR><ETX>93<CR><LF>
<STX>3X<CR><ETX>9B<CR><LF>
<STX>4L|1<CR><ETX>3D<CR><LF>
```

```
<STX>1H|¥^&|||ABAXIS, INC.^piccolo xpress^2.1.9^0000V0000D|||||||D|E 1394-97|20060401160033<CR><ETX>E3<CR><LF>
<STX>2C|1|I|^X^Received Invalid Record Type|G<CR><ETX>99<CR><LF>
<STX>3L|1|N<CR><ETX>06<CR><LF>
```

*** Example (LIS to Abaxis) Query message ***
*** patient ID 12345678901234, ^X^Received Invalid Record Type message sent below ***

```
<STX>1H|¥^&|||Heisenberg|Union City||510-675-6500<CR><ETX>9E<CR><LF>
<STX>2X<CR><ETX>9A<CR><LF>
<STX>3Q|1|12345678901234<CR><ETX>94<CR><LF>
<STX>4L|1<CR><ETX>3D<CR><LF>
```

```
<STX>1H|¥^&|||ABAXIS, INC.^piccolo xpress^2.1.9^0000V0000D|||||||D|E 1394-97|20060401160047<CR><ETX>E8<CR><LF>
<STX>2C|1|I|^X^Received Invalid Record Type|G<CR><ETX>99<CR><LF>
<STX>3L|1|N<CR><ETX>06<CR><LF>
```

*** Example (LIS to Abaxis) Query message ***
*** patient ID 12345678901234, ^^Received Message NOT Supported message sent below ***

```
<STX>1H|¥^&|||Heisenberg|Union City||510-675-6500<CR><ETX>9E<CR><LF>
<STX>2Q|1|12345678901234<CR><ETX>93<CR><LF>
<STX>3Q|1|12345678901234<CR><ETX>94<CR><LF>
<STX>4L|1<CR><ETX>3D<CR><LF>
```

```
<STX>1H|¥^&|||ABAXIS, INC.^piccolo xpress^2.1.9^0000V0000D|||||||D|E 1394-97|20060401160154<CR><ETX>E7<CR><LF>
<STX>2C|1|I|^^Received Message NOT Supported|G<CR><ETX>F5<CR><LF>
<STX>3L|1|N<CR><ETX>06<CR><LF>
```