
WebConnect 2.0

User Guide

Version 2.0



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Overview of WebConnect 2.0

In This Chapter

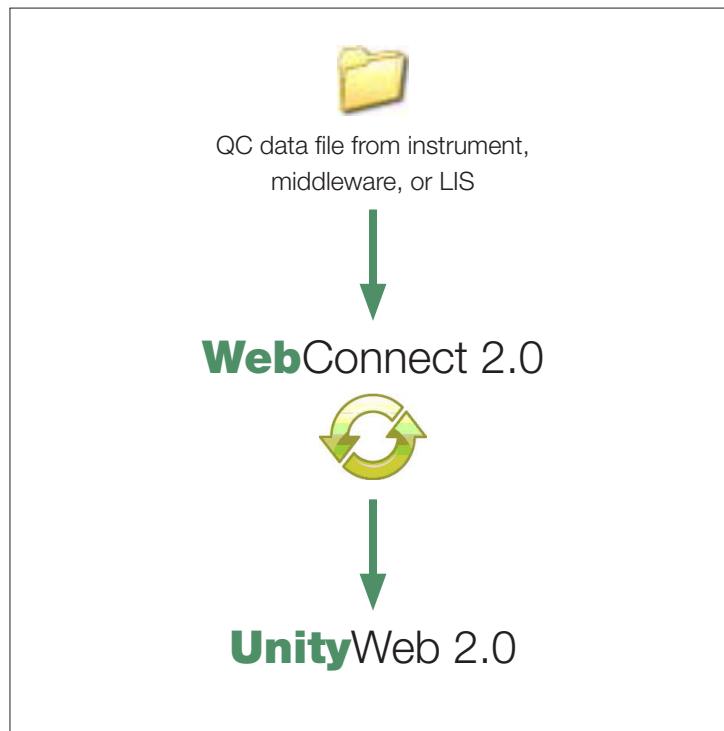
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Introduction

WebConnect 2.0 is a Bio-Rad connectivity solution consisting of one or more customized transformers created especially for your instrument, middleware, or Laboratory Information Systems (LIS). This customized connectivity solution transforms or “translates” your QC data from the format of your instrument, middleware, or LIS into the Bio-Rad format. Once transformed, data is automatically imported into UnityWeb 2.0. Located within UnityWeb 2.0, WebConnect 2.0 eliminates manual data entry from your “To Do” list.

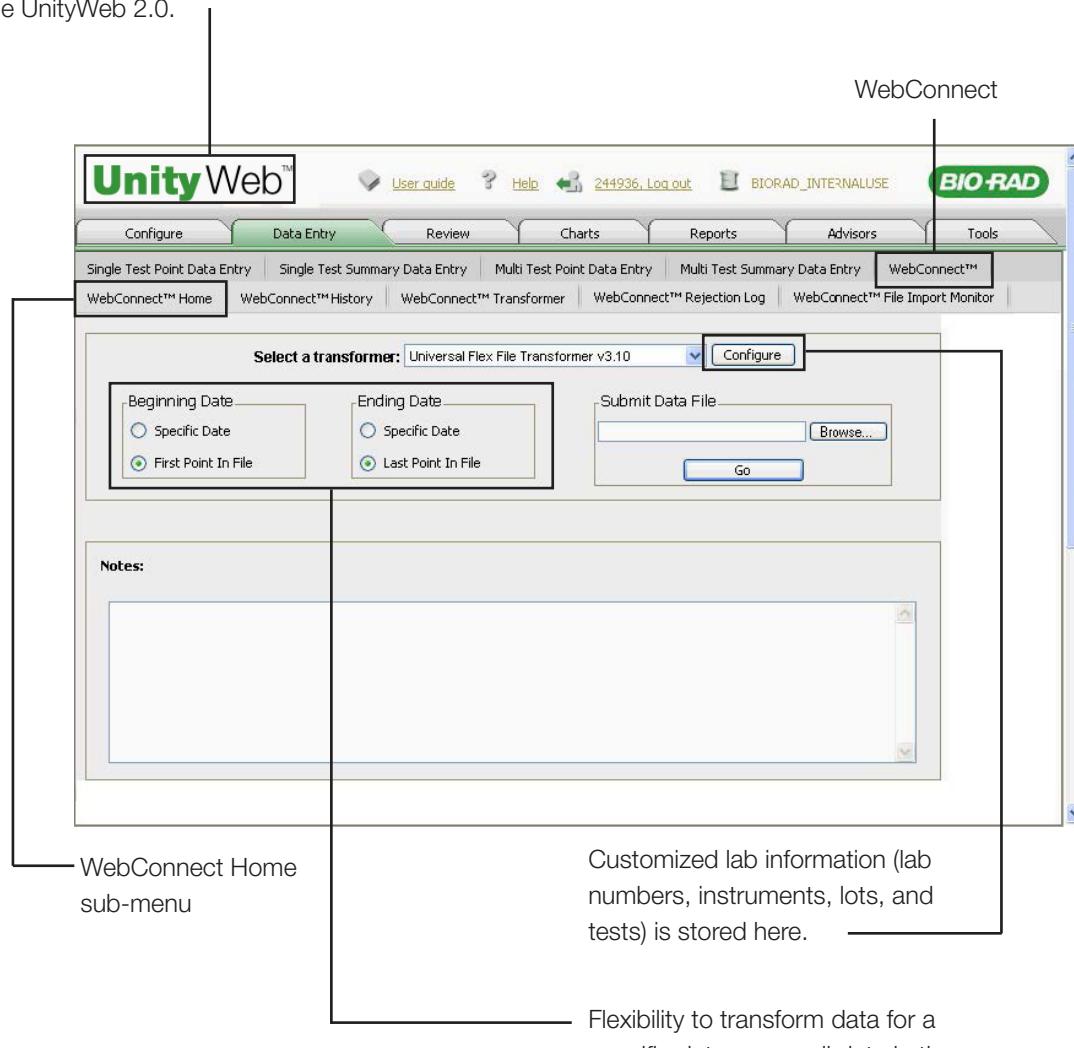
The key to successful use of WebConnect 2.0 is your QC data file. Each time you want to transform data—monthly at a minimum—you will create a QC data file in the same format you did during the software creation process. See Chapter 2 **Working with QC Data Files** on page 33 for additional information about QC data files.

Illustration of WebConnect 2.0

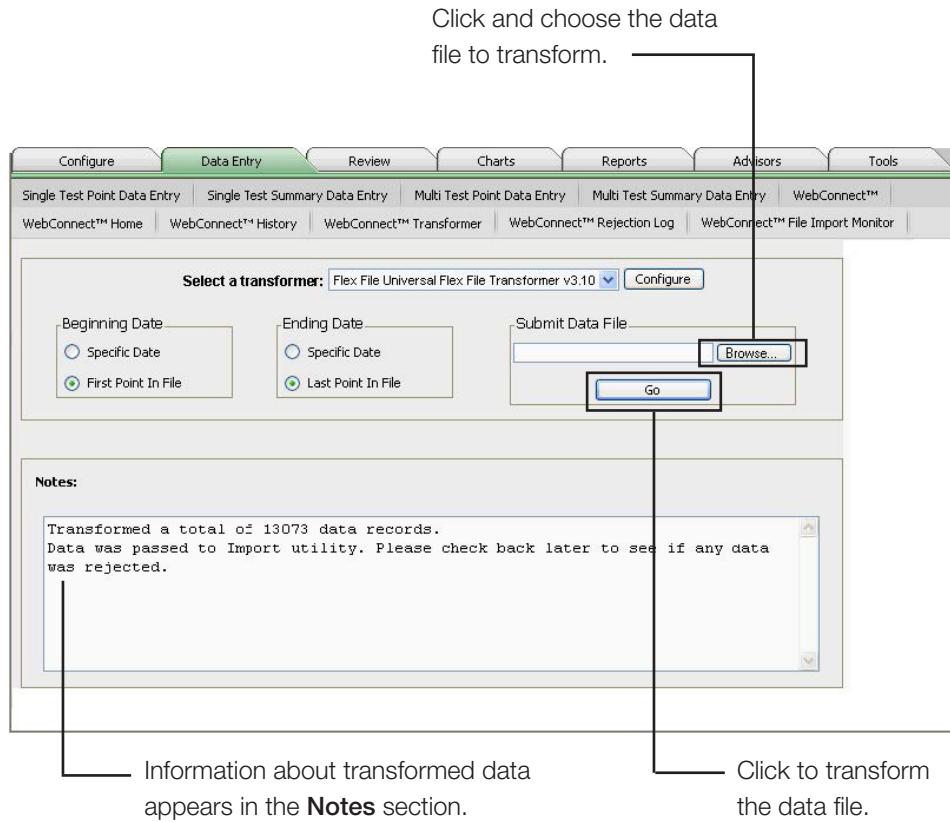


Organization of WebConnect 2.0

WebConnect 2.0 is located inside the UnityWeb 2.0.



Organization of WebConnect 2.0 (continued)



How WebConnect 2.0 Works

Laboratories around the world use unique names to identify information in their instruments, middleware, and LIS. For example, a laboratory may refer to the Siemens Diagnostics ADVIA Centaur as "Centaur 1." Everyone in the laboratory recognizes the instrument as Centaur 1 so the LIS is programmed with this information.

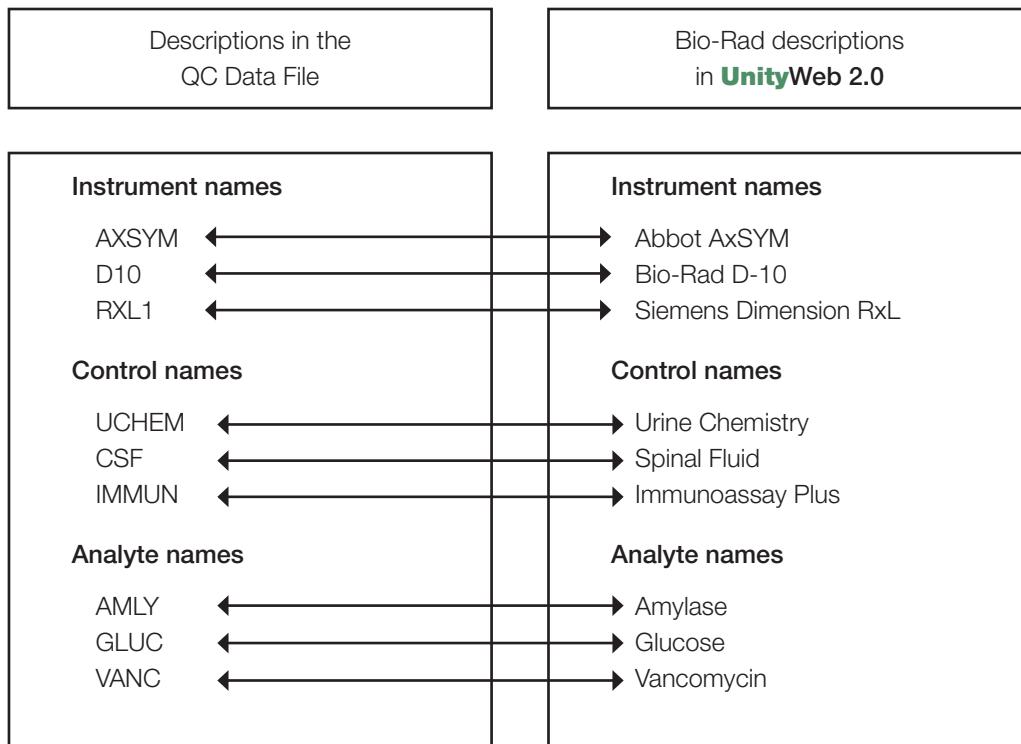
However, in order to compare QC data with other laboratories running tests on a Siemens Diagnostics ADVIA Centaur, standard identifiers are needed.

WebConnect 2.0 provides the ability to match the descriptions used for QC items (instruments, lots, test) in the LIS to the Bio-Rad description in the UnityWeb 2.0 software.

Example of Matching Information



Note: The descriptions in the following illustration are examples only. The descriptions in your QC data file will be different.



Why WebConnect 2.0?

The sole purpose of WebConnect 2.0 is to transform your QC data from the format of your instrument, middleware, or LIS into the Bio-Rad format. WebConnect 2.0 reads the unique information in the QC data file and transforms it so it can be added to the Unity peer group in a standardized manner.

Example of
QC data file
from LIS

```

08/03/2007 SAMPLE LABORATORY PAGE
19:16 QUALITY CONTROL RESULTS FOR 07/01/2007 TO 07/31/2007 2
FOR ALL RESULTS, TESTS, METHODS, CONTROLS, SHIFTS, TECHS

DEPARTMENT OF CHEMISTRY

ACFTAMTNOPHEN, SER OR PI S, RY CX7 NUMBER ?, BTORAD TA 1 IX201 OT #: 40681

DATE      TIME     TECH    SHIFT   RESULT
07/01/2007  11:22    21       1      11.6
07/03/2007  20:14    798      2      10.1

```



Example
of Bio-Rad
format

```

Point|2007070106520C|1|1|999901|30790|204|63|874|6|2|6|||2.6|
Point|2007070207000C|1|1|999901|30790|204|63|874|6|2|6|||2.4|
Point|2007070207000C|1|3|999901|30790|204|63|874|6|2|6|||44.7|
Point|2007070306400C|1|1|999901|30790|204|63|874|6|2|6|||2.5|
Point|2007070306540C|1|3|999901|30790|204|63|874|6|2|6|||43.3|
Point|2007070406480C|1|1|999901|30790|204|63|874|6|2|6|||2.5|
Point|2007070406560C|1|3|999901|30790|204|63|874|6|2|6|||43.3|
Point|2007070421400C|1|1|999901|30790|204|63|874|6|2|6|||2.5|
Point|2007070421410C|1|3|999901|30790|204|63|874|6|2|6|||43.9|
Point|2007070506450C|1|1|999901|30790|204|63|874|6|2|6|||2.4|
Point|2007070506520C|1|3|999901|30790|204|63|874|6|2|6|||43.4|
Point|2007070606570C|1|1|999901|30790|204|63|874|6|2|6|||2.6|
Point|2007070607040C|1|3|999901|30790|204|63|874|6|2|6|||42.0|
Point|2007070707190C|1|1|999901|30790|204|63|874|6|2|6|||2.5|

```

Data is automatically imported
into UnityWeb 2.0 after
transformation.

UnityWeb 2.0



Working with the Customized Transformer

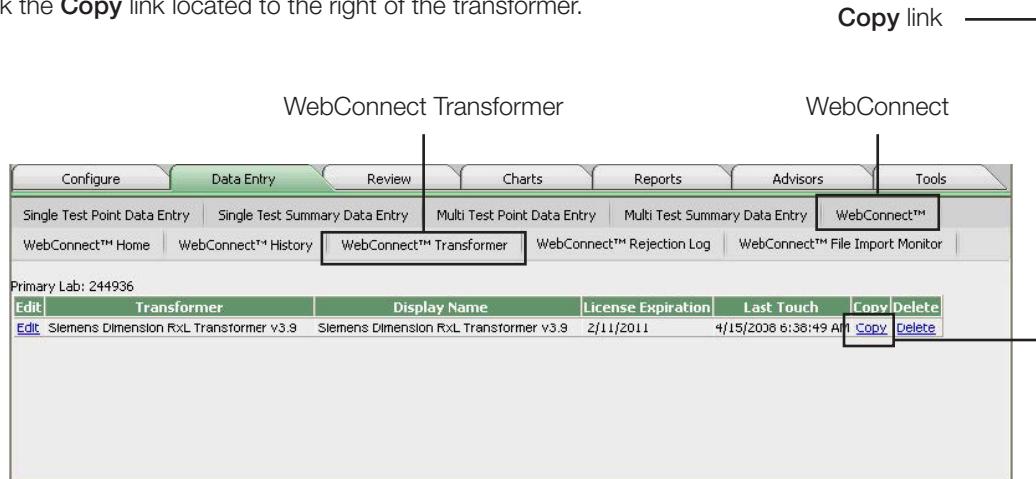
WebConnect 2.0 is a Bio-Rad connectivity solution consisting of one or more customized transformers created especially for your instrument, middleware, or LIS. WebConnect 2.0 provides the following features for the transformer:

- Copying a transformer (this page)
- Renaming a transformer (see page 8)
- Deleting a transformer (on page 9)

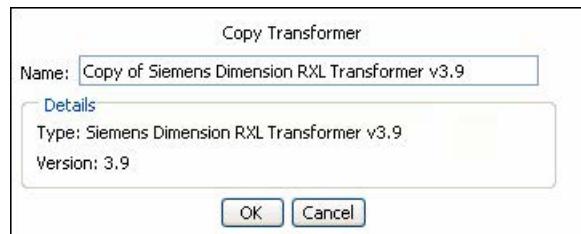
Copying a Transformer

Copying a transformer is helpful when you are using an instrument transformer and have multiple instruments of the same type.

- 1 Click the **Data Entry** tab.
- 2 Click **WebConnect**.
- 3 Click **WebConnect Transformer**.
- 4 Click the **Copy** link located to the right of the transformer.



The **Copy Transformer** dialog box appears.



Click the **OK** button.

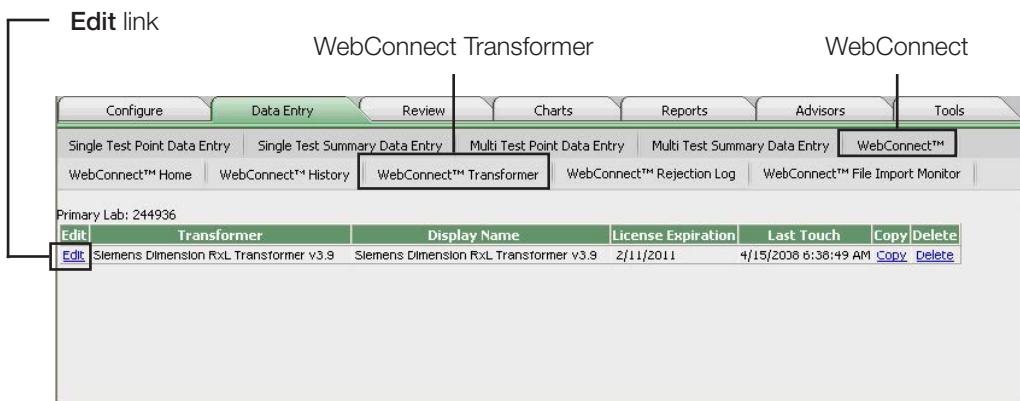


Tip: Rename the copy of the transformer for easy identification.

Renaming a Transformer

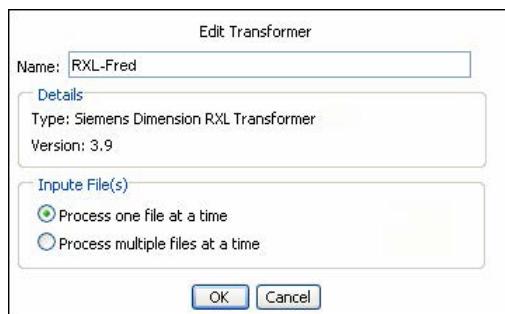
Renaming a transformer is useful if you have more than one transformer and want the display name for the transformer the same as the instrument, middleware, or LIS name used in your laboratory.

- 1 Click the **Data Entry** tab.
- 2 Click **WebConnect**.
- 3 Click **WebConnect Transformer**.
- 4 Click the **Edit** link located to the left of the transformer.



The **Edit Transformer** dialog box appears.

- 5 Click in the **Name** field and type the new name for the transformer.



- 6 Click **OK**.

Deleting a Transformer



Important: Deleting a transformer permanently removes the transformer from the WebConnect 2.0 software. You must contact Bio-Rad to use the transformer in the future. Do not delete a transformer unless requested to do so by Bio-Rad.

- 1 Click the **Data Entry** tab.
- 2 Click **WebConnect**.
- 3 Click **WebConnect Transformer**.
- 4 Click the **Delete** link located to the right of the transformer.

Delete link

The screenshot shows the 'WebConnect Transformer' application window. At the top, there's a menu bar with tabs: Configure, Data Entry (which is selected and highlighted in green), Review, Charts, Reports, Advisors, and Tools. Below the menu bar is a toolbar with links: Single Test Point Data Entry, Single Test Summary Data Entry, Multi Test Point Data Entry, Multi Test Summary Data Entry, WebConnect™, WebConnect™ Home, WebConnect™ History, WebConnect™ Transformer (which is selected and highlighted in a blue border), WebConnect™ Rejection Log, and WebConnect™ File Import Monitor. The main content area has a header 'Primary Lab: 244936'. Below it is a table with columns: Transformer, Display Name, License Expiration, Last Touch, Copy, and Delete. A single row is visible: Edit Siemens Dimension RxL Transformer v3.9, Siemens Dimension RxL Transformer v3.9, 2/11/2011, 4/15/2008 6:38:49 AM, Copy, and Delete (which is highlighted with a blue border). A callout bubble points to the 'Delete' link in the table row.

- 5 A message appears asking for confirmation.
- 6 Click **OK**.

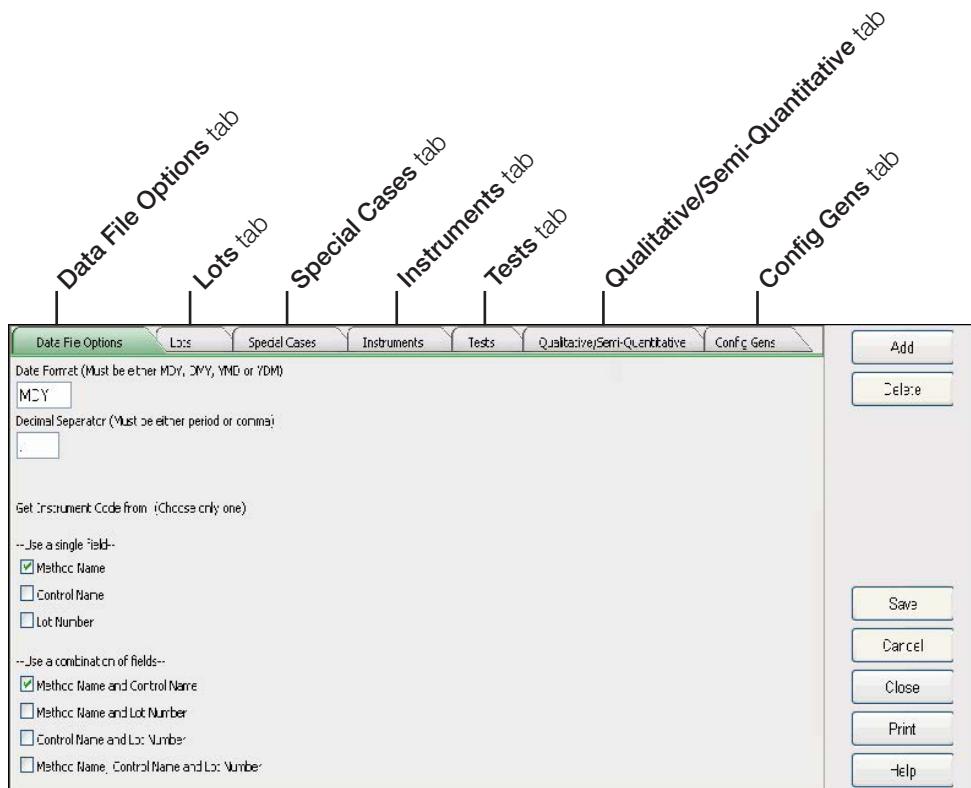
WebConnect 2.0 Tabs

Bio-Rad created your customized WebConnect 2.0 software based on all the information in the original QC data file provided by your laboratory. After the initial configuration is complete, new configuration is required only if a new QC item (such as an instrument, lot, or test) is added to your QC data file.

WebConnect 2.0 processes the QC data file and, if necessary, displays messages prompting you to match or configure the new information in the QC data file with the information in UnityWeb 2.0. WebConnect 2.0 automatically determines the information needing configuration and presents the appropriate tab where the configuration can be completed.



Important: WebConnect 2.0 is a customized product. Therefore, your WebConnect 2.0 software may not present all of the tabs shown in this section. Click **Help** located in the lower right corner of the window to view customized online help for your transformer.



The following sections provide more information about the different tabs in WebConnect 2.0.

- **Data File Options** tab (page REF)
- **Lots** tab (page REF)
- **Special Cases** tab (page REF)
- **Instruments** tab (page REF)
- **Tests** tab (page REF)

- Qualitative/Semi-Quantitative tab (page REF)
- Config Gens tab (page REF)



Note: New configuration is discussed in more detail in Chapter 4, **New Configuration in WebConnect 2.0** on page 58.

Data File Options Tab

The **Data File Options** tab is the most important tab in WebConnect 2.0. The settings on this tab tell WebConnect 2.0 where to find important information in your QC data file critical for successful data transformation.

Bio-Rad created your customized WebConnect 2.0 software based on the QC data file your laboratory provided. Your laboratory's QC data file provided the "blueprint" for Bio-Rad to determine the unique data identifiers used in your laboratory and their specific location within the QC data file. Your unique settings drove the WebConnect 2.0 software design process and the options and settings available on the **Data File Options** tab.

Data file formats vary from system to system. However, the essential components are the same as shown in the example below.

Example Data File

QC Data File.txt - Notepad					
Instrument	Lot/Level	Test	Result	Date	
Inst1	16341	IRON	166	2007/11/01	1
Inst1	16342	IRON	162	2007/11/02	2
Inst1	16343	IRON	164	2007/11/03	3
Inst2	16341	GLUC	117	2007/11/04	4
Inst2	16342	GLUC	119	2007/11/05	
Inst2	16343	GLUC	110	2007/11/06	
Inst3	16341	CHOL	130	2007/11/07	
Inst3	16342	CHOL	137	2007/11/08	
Inst3	16343	CHOL	148	2007/11/09	5

1 Unique designation for each instrument.

Each instrument has a unique designation in the example: Inst1, Inst2, and Inst3.

2 Unique designation for the lot number and level.

Each lot number and level has a unique designation in the example: 16341 (lot 16340-level 1), 16342 (lot 16340-level 2), and 16343 (lot 16340-level 3).

3 Unique test designation.

Each test has a unique designation in the example: IRON, GLUC, and CHOL.

4 Test result.

Each result has a valid numeric value in the example.



Note: The standard separator for United States customers is a period.

5 Date of each test result.

Each result has an associated date in the year/month/day format in the example.

The settings on the **Data File Options** tab reflect your unique format. Once configured, these settings remain unchanged as long as the QC data files used to transform QC data are created in an identical manner to the QC data file originally used to create your WebConnect 2.0 software.

In addition, adding new instruments, lots, or tests does not disrupt the functionality of your WebConnect 2.0 software, as long as you set up the new QC item (such as an instrument, lot, or test) with a unique identifier and in the same format and location in the QC data file as existing QC items.

The **Data File Options** tab can be organized into one of two general types within WebConnect 2.0:

- Traditional configuration (PAGE REF)
- Universal Flex File configuration (see page REF)



Important: WebConnect 2.0 is a customized product. Therefore, the example information shown in this section may not be identical to your WebConnect 2.0. Click the Help button located in the lower right corner of the window to view customized online help for your transformer.

Traditional Configuration

Traditional configuration uses fields and check boxes to configure the **Data File Options** tab. Each option is identified with an orange numbered circle below, and described in detail on the next page.

Data File Options		Lots	Special Cases	Instruments	Tests	Qualitative/Semi-Quantitative	Config Gens
1	Date Format (Must be either MDY, DMY, YMD or YDM)	MDY					
2	Decimal Separator (Must be either period or comma)	.					
3	Get Instrument Code from: (Choose only one)						
3a	--Use a single field--	<input checked="" type="checkbox"/> Method Name					
		<input type="checkbox"/> Control Name					
		<input type="checkbox"/> Lot Number					
3b	--Use a combination of fields--	<input type="checkbox"/> Method Name and Control Name					
		<input type="checkbox"/> Method Name and Lot Number					
		<input type="checkbox"/> Control Name and Lot Number					
		<input type="checkbox"/> Method Name, Control Name and Lot Number					

1 Date Format

This field identifies how the date is specified in the QC data file. Date formats can use a two digit or four digit year. Date format options are:

- **MDY** (month-day-year)
- **DMY**(day-month-year)
- **YMD** (year-month-day)
- **YDM** (year-day-month)



Important: The date format must be in uppercase letters as listed above. These options are MDY, DMY, YMD, or YDM.

2 Decimal Separator

The decimal separator must be designated as a period (.) or a comma (,). This will be the same character used as the decimal separator on the local computer.



Note: The standard separator for United States customers is a period.

3 Get Instrument Code from (choose only one option)

These settings are used to identify which field(s) in the QC data file contain(s) the instrument designation.



Important: One check box must be selected so WebConnect™ 2.0 knows which field(s) to read from the original QC data file.

The instrument designation is in the Method field in the example below.

(RXL = Siemens Dimension RxL)						
RUN DATE: 12/13/07	Laboratory "LIVE"					
RUN TIME: 1548	LAB QUALITY CONTROL					
RUN USER: LAB.SUA						
	DATA REVIEW by ACTIVITY					
	DEPARTMENT: BODY FLUIDS					
	11/01/07 - 11/30/07					
Test: CSF GLUCOSE						
Control: BioRAD CSF Control, Level 1	Lot: 55281	Method: RXL	Target Mean: 58	1 SD: 6.0		
Specimen	Result	SDI	Entered	verified	Usage	
1101:C00001Q	55	-0.500	11/01-1021	autoins	11/01-1022	LAB.MIM DIM 11/01/07 BATCH #1
1102:C00001Q	56	-0.333	11/02-0606	autoins	11/02-0607	LAB.MIM DIM 11/02/07 BATCH #1
1105:C00002Q	57	-0.167	11/05-0725	autoins	11/05-0726	LAB.MIM DIM 11/05/07 BATCH #1
1107:C00003Q	54	-0.667	11/07-0428	autoins	11/07-0439	LAB.MIM DIM 11/07/07 BATCH #1
1108:C00002Q	56	-0.333	11/08-0737	autoins	11/08-0737	LAB.MIM DIM 11/08/07 BATCH #1

3a --Use a single field--

- **Method Name**

WebConnect™ 2.0 reads the instrument designation from the Method field in the QC data file if this

check box is selected.

- **Control Name**

WebConnect™ 2.0 reads the instrument designation from the Control field in the QC data file if this check box is selected.

- **Lot Number**

WebConnect 2.0 reads the instrument designation from the Lot Number field in the QC data file if this check box is selected.

3b --Use a combination of fields--

- **Method Name and Control Name**

WebConnect™ 2.0 reads the instrument designation from a combination of the Method and Control fields in the QC data file if this check box is selected.

- **Method Name and Lot Number**

WebConnect™ 2.0 reads the instrument designation from a combination of the Method and Lot Number fields in the QC data file if this check box is selected.

- **Control Name and Lot Number**

WebConnect™ 2.0 reads the instrument designation from a combination of the Control and Lot Number fields in the QC data file if this check box is selected.

- **Method Name, Control Name, and Lot Number**

WebConnect 2.0 reads the instrument designation from a combination of the Method, Control, and Lot Number fields in the QC data file.

Universal Flex File Configuration

The **Universal Flex File configuration** uses column numbers or fixed width to configure the **Data File Options** tab. Although column numbers do not actually appear in the QC data file, the columns are discernible as vertically arranged information. Columns are numbered beginning with one; column one is the leftmost column in the data file.



Important: Due to the unique configuration of your customized WebConnect 2.0 software, talk to your Bio-Rad representative if you need to use fixed widths to configure the **Data File Options** tab.

Example of Data File Columns

1	2	3	4	5	6	7
Sample Data File.txt - Notepad						
File	Edit	Format	View	Help		
Advia2400	16321	ALB	2007/05/01	08:48:15	1	2.7
Advia2400	16321	ALB	2007/05/02	08:59:59	1	2.7
Advia2400	16321	ALB	2007/05/02	15:46:01	1	2.7
Advia2400	16321	ALB	2007/05/03	06:09:35	1	2.7
Advia2400	16321	ALB	2007/05/03	18:13:06	1	2.7

The column numbers from the QC data file are used in the appropriate fields on the **Data File Options** tab to designate corresponding information between the QC data file and WebConnect 2.0. An example is shown in the illustration below.

Data File Options		Lots	Special Cases	Instruments	Tests	Qualitative/Semi-Quantitative	Config Gens
Data File Option (required unless marked as optional)						Value	
Field Separator: (Enter \s for Space, \t for TAB Characters, ; for Semi-Colons OR leave blank for Fixed Width files)						\s	
Lot Field(s):						2	
Instrument Field(s):						1	
Static Local Instrument Code: (this should only be used if there is not an Instrument Field in the data file)							
Test Field(s):						3	
Result Field(s): (enter Mean,SD,NumPts if Summary)						7	
Qualitative/Semi-Quantitative Response Field(s): (optional)							
Date Field:						4	
Time Field:						5	



Note: Some fields on the **Data File Options** tab are optional.

If more than one field is used as a designation in the QC data file, both column numbers are used and separated by a comma (,).

Overview of Other Configuration Tabs

After the initial configuration is complete, new configuration is required only if a new QC item (such as an instrument, lot, or test) is added to the QC data file.

WebConnect 2.0 automatically determines the information needing configuration and presents the appropriate tab where the configuration can be completed. WebConnect 2.0 guides you to the appropriate tab where you complete configuration.



Important: WebConnect 2.0 is a customized product. Therefore, your WebConnect 2.0 software may not present all of the tabs shown in this section. Click **Help** located in the lower right corner of the window to view customized online help for your transformer.

Lots Tab

The **Lots** tab contains all of your specific lot information.



Important: Lot configuration in WebConnect 2.0 varies according to specific information in the QC data file. Therefore, the example configuration information shown in this section may not be identical to your software. Click **Help** located in the lower right corner of the window to view customized online help for your transformer.

Example Lots Tab

Control Name	Lot Number	Lot Number: Product	Level	Get Lot From	Enable
UCHEM	62791	62790: Urine Chemistry	1	Existing Lots	<input checked="" type="checkbox"/>
UCHEM	62792	62790: Urine Chemistry	2	Existing Lots	<input checked="" type="checkbox"/>
CSF	55251	55250: Spinal Fluid	1	Existing Lots	<input checked="" type="checkbox"/>
IMMUNO	40711	40710: Immunoassay Plus	1	Existing Lots	<input checked="" type="checkbox"/>
IMMUNO	40712	40710: Immunoassay Plus	2	Existing Lots	<input checked="" type="checkbox"/>
IMMUNO	40713	40710: Immunoassay Plus	3	Existing Lots	<input checked="" type="checkbox"/>

1 Database View Setting

Select an option from the **Default to Use** list to determine the default setting for the **Get Lot From** column. The setting in the **Get Lot From** column determines the information appearing in the **Lot Number: Product** list for an individual row.

Control Name	Lot Number	Lot Number: Product	Level	Get Lot From	Enable
UCHEM	62791	62790: Urine Chemistry	1	Existing Lots	<input checked="" type="checkbox"/>
UCHEM	62792	62790: Urine Chemistry	2	Existing Lots	<input checked="" type="checkbox"/>
CSF	55251	55250: Spinal Fluid	1	Existing Lots	<input checked="" type="checkbox"/>
IMMUNO	40711	40710: Immunoassay Plus	1	Existing Lots	<input checked="" type="checkbox"/>
IMMUNO	40712	40710: Immunoassay Plus	2	Existing Lots	<input checked="" type="checkbox"/>
IMMUNO	40713	55250: Spinal Fluid	3	Existing Lots	<input checked="" type="checkbox"/>

There are two options available:

- **Default to Use Existing Lots**

Only lots set up in UnityWeb 2.0 appear in the list in the **Lot Number: Product** column, if this option is selected.



Tip: The process for configuring a new lot depends on your use of UnityWeb 2.0 for SPC Rule Evaluation. See the Chapter 4 section **Configuring a New Lot** on page 61 for more information about new configuration of lots.

- **Default to Use All Lots**

All lots in the Unity code list appear in the list in the **Lot Number: Product** column if this option is selected.

2 Apply to All

Click **Apply to All** to apply the **Default to Use** selection to all lots. Use the **Get Lot From** drop-down list to change the selection for individual rows if necessary (see 3 under **Get Lot From** on page 17).

Control Name	Lot Number	Lot Number: Product	Level	Get Lot From	Enable
UCHEM	62791	62790: Urine Chemistry	1	Existing Insts	<input checked="" type="checkbox"/>
UCHEM	62792	62790: Urine Chemistry	2	Existing Lots	<input checked="" type="checkbox"/>
CSF	55251	55250: Spinal Fluid	1	All Lots	<input checked="" type="checkbox"/>
IMMUNO	40711	40710: Immunoassay Plus	1	Existing Lots	<input checked="" type="checkbox"/>
IMMUNO	40712	40710: Immunoassay Plus	2	Existing Lots	<input checked="" type="checkbox"/>
IMMUNO	40713	40710: Immunoassay Plus	3	Existing Lots	<input checked="" type="checkbox"/>

3 Get Lot From

The default setting is determined by the **Database View Setting** selected (see 1 under **Database View Setting** on page 16). Select another option from the list to change the information appearing in the **Lot Number: Product** column for an individual row.

4 Control Name

The control designation in the QC data file.

Control Name	Lot Number	Lot Number: Product	Level	Get Lot From	Enable
UCHEM	62791	62790: Urine Chemistry	1	Existing Lots	<input checked="" type="checkbox"/>
UCHEM	62792	62790: Urine Chemistry	2	Existing Lots	<input checked="" type="checkbox"/>
CSF	55251	55250: Spinal Fluid	1	Existing Lots	<input checked="" type="checkbox"/>
IMMUNO	40711	40710: Immunoassay Plus	1	Existing Lots	<input type="checkbox"/>
IMMUNO	40712	40710: Immunoassay Plus	2	Existing Lots	<input type="checkbox"/>
IMMUNO	40713	40710: Immunoassay Plus	3	Existing Lots	<input type="checkbox"/>

5 Lot Number

The lot number in the QC data file.

6 Lot Number: Product

Select the corresponding Bio-Rad master lot number and control product name from the drop-down list. The contents of the list are determined by the **Database View Setting** and/or the **Get Lot From** setting (see ③ under **Get Lot From** on page 17).

Control designation and
lot number in QC data file

Corresponding Bio-Rad master lot
number and control product

Control Name	Lot Number	Lot Number: Product
UCHEM	62811	14160: Assayed Chemistry
UCHEM	62812	16380: Unassayed Chemistry
IMMUNO1	40711	18270: Lipids
IMMUNO2	40712	40710: Immunoassay Plus
IMMUNO3	40713	46340: Multiqual 1,2,3 Unassayed
BIORAD 3	14163	46350: Multiqual 1,2,3 Unassayed
BIORAD2	14162	62810: Urine Chemistry

14160: Assayed Chemistry
16380: Unassayed Chemistry
18270: Lipids
40710: Immunoassay Plus
46340: Multiqual 1,2,3 Unassayed
46350: Multiqual 1,2,3 Unassayed
62810: Urine Chemistry
62820: Urine Chemistry
40710: Immunoassay Plus

6 Lot Number: Product (cont.)

The **Control Name** and **Lot Number: Product** columns are located on the left side of the **Lots** tab.

Control Name	Lot Number	Lot Number: Product	Level	Get Lot From	Enable
UCHEM	62791	62790: Urine Chemistry	1	Existing Lots	<input checked="" type="checkbox"/>
UCHEM	62792	62790: Urine Chemistry	2	Existing Lots	<input checked="" type="checkbox"/>
CSF	55251	55250: Spinal Fluid	1	Existing Lots	<input checked="" type="checkbox"/>
IMMUNO	40711	40710: Immunoassay Plus	1	Existing Lots	<input type="checkbox"/>
IMMUNO	40712	40710: Immunoassay Plus	2	Existing Lots	<input type="checkbox"/>
IMMUNO	40713	40710: Immunoassay Plus	3	Existing Lots	<input type="checkbox"/>

7 Level

Select the lot level from the drop-down list in the **Level** column.

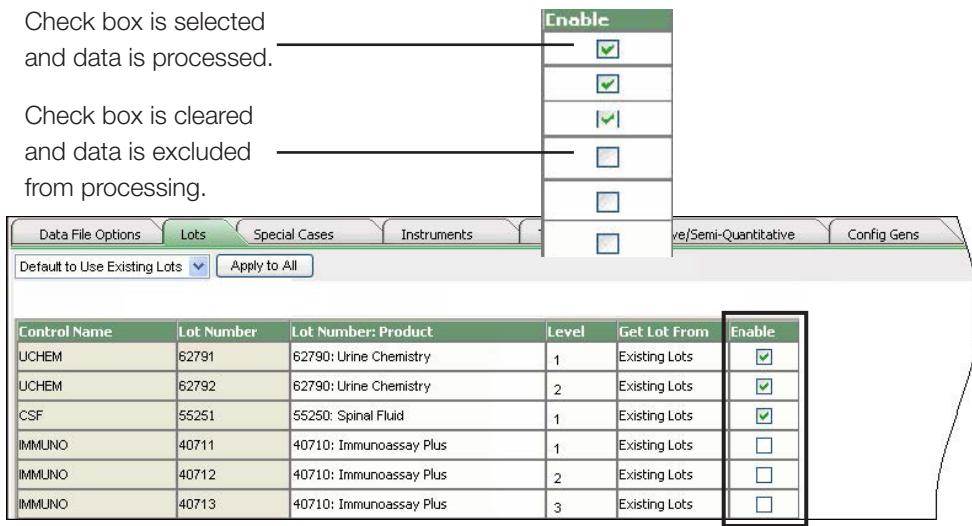
Control Name	Lot Number	Lot Number: Product	Level	Get Lot From	Enable
UCHEM	62791	62790: Urine Chemistry	1	Existing Lots	<input checked="" type="checkbox"/>
UCHEM	62792	62790: Urine Chemistry	2	Existing Lots	<input checked="" type="checkbox"/>
CSF	55251	55250: Spinal Fluid	1	Existing Lots	<input checked="" type="checkbox"/>
IMMUNO	40711	40710: Immunoassay Plus	1	Existing Lots	<input checked="" type="checkbox"/>
IMMUNO	40712	40710: Immunoassay Plus	2	Existing Lots	<input checked="" type="checkbox"/>
IMMUNO	40713	40710: Immunoassay Plus	3	Existing Lots	<input checked="" type="checkbox"/>
IMMUNO	40721	40720: Immunoassay Plus	1	Existing Lots	<input checked="" type="checkbox"/>
IMMUNO			2	Existing Lots	<input checked="" type="checkbox"/>
IMMUNO			3	Existing Lots	<input checked="" type="checkbox"/>

8 Enable

The **Enable** check box is selected by default so WebConnect 2.0 processes data for the lot/level.



Important: Click the **Enable** check box to clear it and WebConnect 2.0 will exclude the lot when transforming . DO NOT delete the row.



Special Cases Tab



Important: Due to the unique configuration of your customized WebConnect 2.0 software, talk to your Bio-Rad representative if you need to use the **Special Cases** tab.

Instruments Tab

The Instruments tab contains all of your specific instrument information.



Important: Instrument configuration in WebConnect 2.0 varies according to specific information in the QC data file. Therefore, the example configuration information shown in this section may not be identical to your software. Click **Help** located in the lower right corner of the window to view customized online help for your transformer.

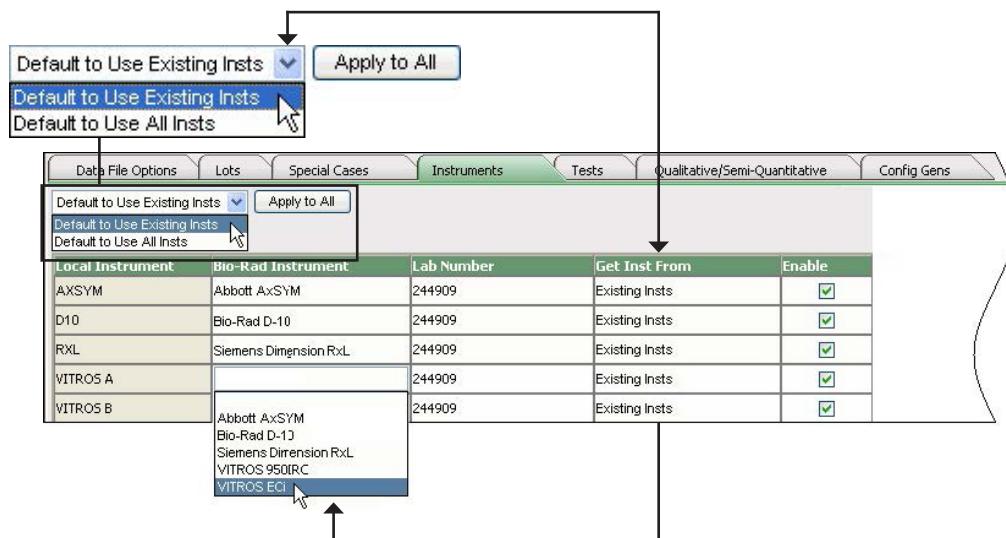
Example Instruments Tab

The screenshot shows the Instruments tab of the WebConnect 2.0 interface. At the top, there are tabs for Data File Options, Lots, Special Cases, Instruments (which is selected), Tests, Qualitative/Semi-Quantitative, and Config Gens. Below the tabs is a toolbar with a dropdown menu labeled "Default to Use Existing Insts" and a "Apply to All" button. A callout number 1 points to the dropdown menu, and a callout number 2 points to the "Apply to All" button. The main area contains a table with columns: Local Instrument, Bio-Rad Instrument, Lab Number, Get Inst From, and Enable. The table rows are: AXSYM (Abbott AxSYM, Lab 244909, Existing Insts, checked), D10 (Bio-Rad D-10, Lab 244909, Existing Insts, checked), RXL (Siemens Dimension RxL, Lab 244909, Existing Insts, checked), VITROS A (VITROS 950IRC, Lab 244909, Existing Insts, checked), and VITROS B (VITROS ECI, Lab 244909, Existing Insts, checked). Callouts 3 through 7 are placed over the "Get Inst From" column for each row. An orange circle around the "Get Inst From" header indicates it is the current focus.

Local Instrument	Bio-Rad Instrument	Lab Number	Get Inst From	Enable
AXSYM	Abbott AxSYM	244909	Existing Insts	<input checked="" type="checkbox"/>
D10	Bio-Rad D-10	244909	Existing Insts	<input checked="" type="checkbox"/>
RXL	Siemens Dimension RxL	244909	Existing Insts	<input checked="" type="checkbox"/>
VITROS A	VITROS 950IRC	244909	Existing Insts	<input checked="" type="checkbox"/>
VITROS B	VITROS ECI	244909	Existing Insts	<input checked="" type="checkbox"/>

1 Database View Settings

Select an option from the **Default to Use** list to determine the default setting for the **Get Inst From** column. The setting in the **Get Inst From** column determines the information appearing in the **Bio-Rad Instrument** list for an individual row.



There are two options available:

- **Default to Use Existing Instruments**

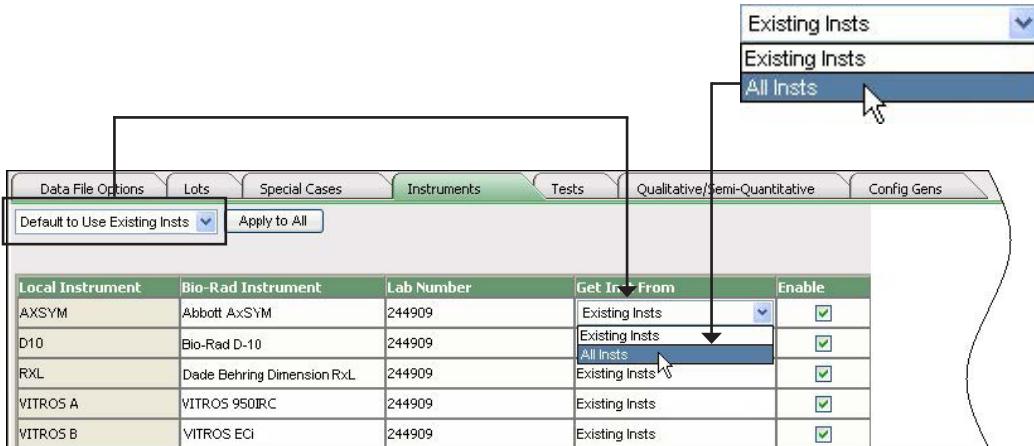
Only instruments set up in UnityWeb 2.0 appear in the list in the **Bio-Rad Instrument** column if this option is selected.

- **Default to Use All Instruments**

All instruments in the Unity code list appear in the list in the **Bio-Rad Instrument** column if this option is selected.

2 Apply to All

Click **Apply to All** to apply the **Default to Use** selection. Use the **Get Inst From** list to change the selection for individual rows if necessary (see 3 below).



3 Get Inst From

The default setting in this list is determined by the **Database View Setting** selected (see **1** under **Database View Setting** on page 16). Select another option from this list to change the information appearing in the **Bio-Rad Instrument** list for an individual row.

4 Local Instrument

The instrument designation in the QC data file.



5 Bio-Rad Instrument

Select the corresponding Bio-Rad instrument name from the list. The contents of the list are determined by the Database View Settings and/or the Get Inst From setting (see **3** under **Get Inst From** on page 22).

The screenshot shows the 'Instruments' tab of the UnityWeb 2.0 interface. At the top, there are tabs for Data File Options, Lots, Special Cases, Instruments, Tests, Qualitative/Semi-Quantitative, and Config Gens. Below these are buttons for 'Default to Use Existing Insts' and 'Apply to All'. The main area displays two tables. The first table, 'Local Instrument', lists five instruments: AXSYM, D1C, RXL, VITROS A, and VITROS B. The second table, 'Bio-Rad Instrument', lists six instruments: Abbott AxSYM, Bio-Rad D-1C, Siemens Dimension RxL, VITROS 950IRC, and VITROS ECI. A dropdown menu is open over the 'Bio-Rad Instrument' table, showing the same list of instruments. Arrows point from the local instrument names in the first table to their corresponding Bio-Rad names in the dropdown. Another arrow points from the 'Bio-Rad Instrument' table to the dropdown menu.

Local Instrument	Bio-Rad Instrument
AXSYM	Abbott AxSYM
D1C	Bio-Rad D-1C
RXL	Siemens Dimension RxL
VITROS A	VITROS 950IRC
VITROS B	VITROS ECI

Local Instrument	Bio-Rad Instrument	Lab Number	Get Inst From	Enable
AXSYM	Abbott AxSYM	244909	Existing Insts	<input checked="" type="checkbox"/>
D1C	Bio-Rad D-10	244909	Existing Insts	<input checked="" type="checkbox"/>
RXL	Siemens Dimension RxL	244909	Existing Insts	<input checked="" type="checkbox"/>
VITROS A	VITROS 950IRC	244909	Existing Insts	<input type="checkbox"/>
VITROS B	VITROS ECI	244909	Existing Insts	<input type="checkbox"/>

6 Lab Number

Select the Bio-Rad lab number assigned to the instrument. Only lab numbers set up in UnityWeb 2.0 appear in the list.

The screenshot shows the 'Instruments' tab of the UnityWeb 2.0 interface. The top section is identical to the previous screenshot. The main area displays two tables. The first table, 'Bio-Rad Instrument', lists the same five instruments as before. The second table, 'Lab Number', lists two lab numbers: 244909 and 999901. A dropdown menu is open over the 'Bio-Rad Instrument' table, showing the same list of instruments. Arrows point from the Bio-Rad instrument names in the first table to their corresponding lab numbers in the dropdown. Another arrow points from the 'Bio-Rad Instrument' table to the dropdown menu.

Bio-Rad Instrument	Lab Number
Abbot AxSYM	244909
Bio-Rad D-10	244909
Siemens Dimension RxL	244909
VITROS 950IRC r UniCel DxC600	999901
VITROS ECI	

Local Instrument	Bio-Rad Instrument	Lab Number	Get Inst From	Enable
AXSYM	Abbott AxSYM	244909	Existing Insts	<input checked="" type="checkbox"/>
D1C	Bio-Rad D-10	244909	Existing Insts	<input checked="" type="checkbox"/>
RXL	Siemens Dimension RxL	244909	Existing Insts	<input checked="" type="checkbox"/>
VITROS A	VITROS 950IRC	244909	Existing Insts	<input checked="" type="checkbox"/>
VITROS B	VITROS ECI	244909	Existing Insts	<input checked="" type="checkbox"/>



Important: Two instruments of the same type must be set up in separate lab numbers. A lab number can only be assigned by Bio-Rad. Contact your Bio-Rad QC Program Representative if you need additional lab numbers.

7 Enable

The **Enable** check box is selected by default so WebConnect 2.0 processes data for the instrument.



Important: Click the **Enable** check box to clear it and WebConnect 2.0 will exclude the instrument when transforming. DO NOT delete the row.

Local Instrument	Bio-Rad Instrument	Lab Number	Get Inst From	Enable
AXSYM	Abbott AxSYM	244909	Existing Insts	<input checked="" type="checkbox"/>
D10	Bio-Rad D-10	244909	Existing Insts	<input checked="" type="checkbox"/>
RXL	Siemens Dimension RxL	244909	Existing Insts	<input checked="" type="checkbox"/>
VITROS A	VITROS 950IRC	244909	Existing Insts	<input type="checkbox"/>
VITROS B	VITROS ECI	244909	Existing Insts	<input type="checkbox"/>

Tests Tab



Important: Test configuration in WebConnect 2.0 varies according to specific information in the QC data file. Therefore, the example configuration information shown in this section may not be identical to your software. Click **Help** located in the lower right corner of the window to view customized online help for your transformer.

Example Tests Tab

The screenshot shows the 'Tests' tab in the WebConnect 2.0 interface. The top navigation bar includes tabs for Data File Options, Lots, Cases, Instruments, Tests (selected), Qualitative/Semi-Quantitative, and Config Gens. Below the navigation bar are two dropdown menus: 'Default to Use Method Guide' and 'Default to Conv Units for Method Guide'. The main content area displays a table of test configurations. The table has columns for Local Test Code, Bio-Rad Analyte, Unit, Method, Reagent, Temp, Get Test From, and Enable. The table rows are numbered 1 through 11. The 'Enable' column contains checked checkboxes for all rows.

Local Test Code	Bio-Rad Analyte	Unit	Method	Reagent	Temp	Get Test From	Enable
ALBUMIN	Albumin	g/dL	BCG-VITROS	Dedicated Reagent	No Temperature	Method Guide	<input checked="" type="checkbox"/>
ALCOHOL	Ethanol (Alcohol)	mg/dL	Enzymatic UV-VITROS	Dedicated Reagent	No Temperature	Method Guide	<input checked="" type="checkbox"/>
ALK PHOSPHATASE	Alkaline Phosphatase	U/L	PNPP, AMP Buffer-VITROS	Dedicated Reagent	37° C	Method Guide	<input checked="" type="checkbox"/>
ALT	ALT (ALAT/GPT)	U/L	UV with PSP-VITROS	Dedicated Reagent	37° C	Method Guide	<input checked="" type="checkbox"/>
AMYLASE	Amylase	U/L	Amylopectin, colorimetric-VITROS	Dedicated Reagent	37° C	Method Guide	<input checked="" type="checkbox"/>
AST	AST (ASAT/GOT)	U/L	Enzymatic, colorimetric-VITROS	Dedicated Reagent	37° C	Method Guide	<input checked="" type="checkbox"/>
BILIRUBIN, TOTAL	Bilirubin, Total/TBIL	mg/dL	Diphylidine, Diazonium Salt-VITROS	Dedicated Reagent	No Temperature	Method Guide	<input checked="" type="checkbox"/>
CALCIUM	Calcium	mg/dL	Arsenazo III-VITROS	Dedicated Reagent	No Temperature	Method Guide	<input checked="" type="checkbox"/>

1 Database View Setting

Select an option from the **Default to Use** list to determine the default setting for the **Get Test From** column. The setting in the **Get Test From** column determines the information appearing in the **Bio-Rad Analyte**, **Unit**, **Method**, **Reagent**, and **Temp** columns for an individual row.

The screenshot shows the 'Tests' tab of the Bio-Rad LabVIEW software. At the top, there is a dropdown menu labeled 'Default to Use All Tests'. Below it, three other options are listed: 'Default to Use Existing Tests', 'Default to Use Method Guide', and 'Default to Use All Tests'. An arrow points from the text 'Default to Use Existing Tests' to the corresponding option in the dropdown menu. The main area displays a table of test parameters for various analytes, including Bio-Rad Instrument, Lab Number, Local Instrument, Local Test Code, Bio-Rad Analyte, Unit, Method, Reagent, Temp, Get Test From, and Enable status. The 'Get Test From' column contains 'Method Guide' with checked checkboxes for all rows.

Local Test Code	Bio-Rad Analyte	Unit	Method	Reagent	Temp	Get Test From	Enable
ALBUMIN	Albumin	g/dL	BCG-VITROS	Dedicated Reagent	No Temperature	Method Guide	<input checked="" type="checkbox"/>
ALCOHOL	Ethanol (Alcohol)	mg/dL	Enzymatic UV-VITROS	Dedicated Reagent	No Temperature	Method Guide	<input checked="" type="checkbox"/>
ALK PHOSPHATASE	Alkaline Phosphatase	U/L	PNPP, AMP Buffer-VITROS	Dedicated Reagent	37° C	Method Guide	<input checked="" type="checkbox"/>
ALT	ALT (ALAT/GPT)	U/L	UV with PSP-VITROS	Dedicated Reagent	37° C	Method Guide	<input checked="" type="checkbox"/>
AMYLASE	Amylase	U/L	Amylopectin, colorimetric-VITROS	Dedicated Reagent	37° C	Method Guide	<input checked="" type="checkbox"/>
AST	AST (ASAT/GOT)	U/L	Enzymatic, colorimetric-VITROS	Dedicated Reagent	37° C	Method Guide	<input checked="" type="checkbox"/>
BILIRUBIN,TOTAL	Bilirubin, Total/TBIL	mg/dL	Diphylle, Diazonium Salt-VITROS	Dedicated Reagent	No Temperature	Method Guide	<input checked="" type="checkbox"/>
CALCIUM	Calcium	mg/dL	Arsenazo III-VITROS	Dedicated Reagent	No Temperature	Method Guide	<input checked="" type="checkbox"/>

There are three options available:

- **Default to Use Existing Tests**

Only analyte information for tests set up in UnityWeb 2.0 appear in the lists in the **Bio-Rad Analyte**, **Unit**, **Method**, **Reagent**, and **Temp** columns if this option is selected.

- **Default to Use Method Guide**

Only the analyte information for tests defined in the Unity Method Guide for Selected Instruments appear in the **Bio-Rad Analyte**, **Unit**, **Method**, **Reagent**, and **Temp** columns if this option is selected.

- **Default to Use All Tests**

All analyte information in the Unity code list appear in the **Bio-Rad Analyte**, **Unit**, **Method**, **Reagent**, and **Temp** columns if this option is selected. This is the most useful method if tests are not defined in the Unity Method Guide for Selected Instruments.

2 Default to Use Units

Select the units (conventional or SI) to apply the units selection to all tests.

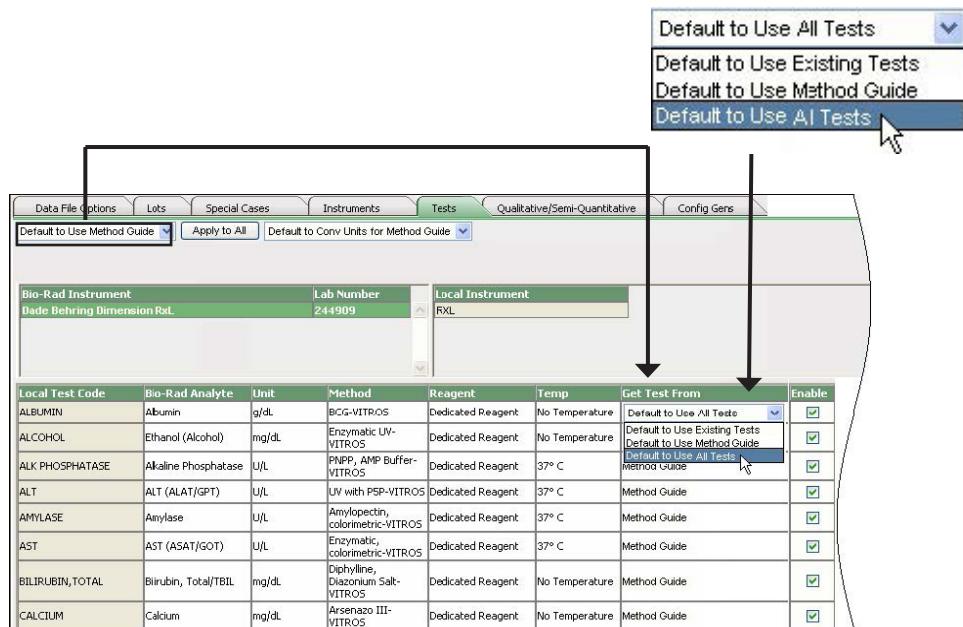
Local Test Code	Bio-Rad Analyte	Unit	Method	Reagent	Temp	Get Test From	Enable
ALBUMIN	Albumin	g/dL	BCG-VITROS	Dedicated Reagent	No Temperature	ExistingTests	<input checked="" type="checkbox"/>
ALCOHOL	Ethanol (Alcohol)	mg/dL	Enzymatic UV-VITROS	Dedicated Reagent	No Temperature	ExistingTests	<input checked="" type="checkbox"/>
ALK PHOSPHATASE	Alkaline Phosphatase	U/L	PNPP, AMP Buffer-VITROS	Dedicated Reagent	37° C	ExistingTests	<input checked="" type="checkbox"/>
ALT	ALT (ALAT/GPT)	U/L	UV with PSP-VITROS	Dedicated Reagent	37° C	ExistingTests	<input checked="" type="checkbox"/>
AMYLASE	Amylase	U/L	Amylopectin, colorimetric-VITROS	Dedicated Reagent	37° C	ExistingTests	<input checked="" type="checkbox"/>

3 Apply to All

Click **Apply to All** to apply the **Database View Setting** and/or the **Default Use Units** selection(s). Use the **Get Test From** list to change the selection **Database View Setting** for individual rows if necessary (see **4** under **Get Test From** on page 28).

4 Get Test From

The default setting is determined by the **Database View Setting** selected (see 1 on page 40). Select another option from this list to change the information appearing in the **Bio-Rad Analyte, Unit, Method, Reagent**, and **Temp** lists for an individual row.



5 Local Test Code

The test designation in the QC data file.

The screenshot shows the Local Test Code configuration screen. On the left, a vertical list of tests is displayed: ALBUMIN, ALCOHOL, ALK PHOSPHATASE, ALT, AMYLASE, AST, and BILIRUBIN, TOTAL. In the center, there are dropdown menus for 'Data File Options' (set to 'Default to Use Existing Tests') and 'Lots'. Below these are fields for 'Instruments' (set to 'Bio-Rad Instrument'), 'Tests' (set to 'CALCIUM'), and 'Lab Number' (set to '244909'). To the right of these fields is a 'Local Instrument' dropdown set to 'RXL'. At the bottom of the screen is a detailed table mapping local test codes to Bio-Rad analytes and methods.

Local Test Code	Bio-Rad Analyte	Unit	Method	Reagent	Temp	Get Test From	Enable
ALBUMIN	Albumin	g/dL	BCG-VITROS	Dedicated Reagent	No Temperature	ExistingTests	<input checked="" type="checkbox"/>
ALCOHOL	Ethanol (Alcohol)	mg/dL	Enzymatic UV-VITROS	Dedicated Reagent	No Temperature	ExistingTests	<input checked="" type="checkbox"/>
ALK PHOSPHATASE	Alkaline Phosphatase	U/L	PNPP, AMP Buffer-VITROS	Dedicated Reagent	37° C	ExistingTests	<input checked="" type="checkbox"/>
ALT	ALT (ALAT/GPT)	U/L	UV with PSP-VITROS	Dedicated Reagent	37° C	ExistingTests	<input checked="" type="checkbox"/>
AMYLASE	Amylase	U/L	Amylopectin colorimetric-VITROS	Dedicated Reagent	37° C	ExistingTests	<input checked="" type="checkbox"/>
AST	AST (ASAT/GOT)	U/L	Enzymatic, colorimetric-VITROS	Dedicated Reagent	37° C	ExistingTests	<input checked="" type="checkbox"/>
BILIRUBIN, TOTAL	Bilirubin, Total/TBIL	mg/dL	Diphylline, Diazonium Salt-VITROS	Dedicated Reagent	No Temperature	ExistingTests	<input checked="" type="checkbox"/>
CALCIUM	Calcium	mg/dL	Arsenazo III-VITROS	Dedicated Reagent	No Temperature	ExistingTests	<input checked="" type="checkbox"/>

6 Bio-Rad Analyte

Select the corresponding Bio-Rad analyte name from the list. The contents of the list are determined by the **Database View Setting** and/or the **Get Test From** setting (see 4 under **Get Test From** on page 28).

The screenshot shows the Bio-Rad WebConnect interface. On the left, there is a table titled "Local Test Code" with columns for "Local Test Code" and "Bio-Rad Analyte". Arrows point from the "Local Test Code" column to the "Test designation in QC data file" and from the "Bio-Rad Analyte" column to the "Corresponding Bio-Rad analyte". The table contains the following data:

Local Test Code	Bio-Rad Analyte
ALBUMIN	Albumin
ALCOHOL	Ethanol (Alcohol)
ALK PHOSPHATASE	Alkaline Phosphatase
ALT	ALT (ALAT/GPT)
AMYLASE	Amylase
AST	AST (ASAT/GOT)
BILIRUBIN,TOTAL	Bilirubin, Total/TBIL
CALCIUM	Calcium

To the right of the table is a "Tests" configuration panel. It includes tabs for "Tests", "Qualitative/Semi-Quantitative", and "Config Gens". The "Tests" tab is selected. It shows a "Local Instrument" dropdown set to "RXL". Below this is a table with columns: "Reagent", "Temp", "Get Test From", and "Enable". The "Get Test From" column contains checkboxes that are all checked.

7 Unit

Select the corresponding unit from the list. The contents of the list are determined by the **Database View Setting** and/or the **Get Test From** setting (see 4 under **Get Test From** on page 28).

8 Method

Select the corresponding method from the list. The contents of the list are determined by the **Database View Setting** and/or the **Get Test From** setting (see 4 under **Get Test From** on page 28).

9 Reagent

Select the corresponding reagent from the list. The contents of the list are determined by the **Database View Setting** and/or the **Get Test From** setting (see 4 under **Get Test From** on page 28).

10 Temp

Select the corresponding temperature from the list. The contents of the list are determined by the **Database View Setting** and/or the **Get Test From** setting (see **4** under **Get Test From** on page 28).



Note: Temperature applies to enzymes only. For all other analytes, **No Temperature** is the only available option.

11 Enable

The **Enable** check box is selected by default so WebConnect 2.0 processes data for the test.



Important: Click the **Enable** check box to clear it and WebConnect 2.0 will exclude the test when transforming. DO NOT delete the row.

Check box is selected and
data is processed. _____



Check box is cleared and
data is excluded from
further processing. _____

Local Test Code	Bio-Rad Analyte	Unit	Method	Reagent	Temp	Get Test From	Enable
ALBUMIN	Albumin	g/dL	BCG-VITROS	Dedicated Reagent	No Temperature	ExistingTests	<input checked="" type="checkbox"/>
ALCOHOL	Ethanol (Alcohol)	mg/dL	Enzymatic UV-VITROS	Dedicated Reagent	No Temperature	ExistingTests	<input checked="" type="checkbox"/>
ALK PHOSPHATASE	Alkaline Phosphatase	U/L	PNPP, AMP Buffer-VITROS	Dedicated Reagent	37° C	ExistingTests	<input checked="" type="checkbox"/>
ALT	ALT (ALAT/GPT)	U/L	UV with PSP-VITROS	Dedicated Reagent	37° C	ExistingTests	<input type="checkbox"/>
AMYLASE	Amylase	U/L	Amylopectin, colorimetric-VITROS	Dedicated Reagent	37° C	ExistingTests	<input type="checkbox"/>
AST	(ASAT/GOT)	U/L	Enzymatic, colorimetric-VITROS	Dedicated Reagent	37° C	ExistingTests	<input type="checkbox"/>

Qualitative/Semi-Quantitative Tab



Important: Due to the unique configuration of your customized WebConnect 2.0 software, talk to your Bio-Rad representative if you need to use the **Qualitative/Semi-Quantitative** tab.

Config Gens Tab



Important: The **Config Gens** tab only applies to customers with specific VITROS instruments. See Chapter 6, **VITROS Slide Generation Numbers and WebConnect 2.0**, on page 104 for more information about configuring slide generation numbers.

Working with QC Data Files

In This Chapter

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Overview of QC Data Files

A QC data file contains the quality control testing results performed on an instrument. The QC data file can be retrieved from an instrument, middleware, or a Laboratory Information System (LIS).

UnityWeb 2.0 cannot import QC data files in their original format. WebConnect 2.0 transforms the QC data file from the original format into the Bio-Rad format for automatic importing into UnityWeb 2.0.

QC Data File Content

The QC data file is the most critical component of the WebConnect 2.0 process. Although the look of QC data files varies according to the instrument, middleware, or LIS, the essential components are the same.

The screenshot shows a Windows Notepad window titled "QC Data File.txt - Notepad". The window displays a table of quality control data with columns: Instrument, Lot/Level, Test, Result, and Date. The data is as follows:

Instrument	Lot/Level	Test	Result	Date
Inst1	16341	IRON	166	2007/11/01
Inst1	16342	IRON	162	2007/11/02
Inst1	16343	IRON	164	2007/11/03
Inst2	16341	GLUC	117	2007/11/04
Inst2	16342	GLUC	119	2007/11/05
Inst2	16343	GLUC	110	2007/11/06
Inst3	16341	CHOL	130	2007/11/07
Inst3	16342	CHOL	137	2007/11/08
Inst3	16343	CHOL	148	2007/11/09

Below the table, five numbered circles point to specific parts of the data:
1. Instrument column header
2. Lot/Level column header
3. Test column header
4. Result column header
5. Date column header

A proper QC data file contains unique designations for each component of the data file.

1 Unique designation for each instrument.

Each instrument has a unique designation in the example above: Inst1, Inst2, and Inst3.

2 Unique designation for the lot number and level.

Each lot number and level has a unique designation in the example above: 16341 (lot 16340-level 1), 16342 (lot 16340-level 2), 16343 (lot 16340-level 3).

3 Unique test name.

Each test has a unique designation in the example above: IRON, GLUC, and CHOL.

4 Test result.

Each result has a valid numeric value in the example above.



Note: WebConnect 2.0 cannot transform data with a 0 (zero) or negative value.

5 Date of each test result.

Each result has an associated date in the year/month/day format in the example above.

QC Data File Essentials

A properly formatted QC data file from your instrument, middleware, or LIS is essential to the WebConnect 2.0 process. A good data file allows WebConnect 2.0 to transform the QC data into a format that can be automatically imported into UnityWeb 2.0.

- The QC data file must be comprehensive and contain a unique designation for each instrument as well as all lots, levels, and tests run on Bio-Rad controls.
- The data file must include a value and a date for all QC data to be submitted to Bio-Rad for peer group comparison.
- The QC data file must be in a stable format that can be reproduced as often as necessary. You must create a new QC data file every time you use WebConnect 2.0 to transform and import the QC data into UnityWeb 2.0.



Important: Bio-Rad strongly recommends carefully documenting the steps taken to create the QC data file as this will become part of your regular QC process.

Maintaining QC Data File Integrity

Maintaining the integrity of the QC data file is very important. Never open the original QC data file to be used for transforming data. In some cases, opening a file alters the formatting and causes the QC data file to become useless.



Important: Do not open or manually alter the data in the original QC data file. For example, manually deleting outliers can corrupt the file.

If it is necessary to open a QC data file, make a copy of the file and open the copy. See [Copying a QC Data File](#) on page 39 for more information.

Single Point Data versus Summary Data

WebConnect 2.0 can process single point data or summary data.

Single Point Data

Single point data files contain an individual value for each QC result. Single point data is typically preferred since it facilitates the use of advanced features of UnityWeb 2.0 such as Levey-Jennings charts, SPC (Westgard) rules, and the optional Westgard Advisor online.

Summary Data

Summary data files contain the mean, standard deviation (SD), and number of points for each test. Using summary data limits the availability of advanced features of UnityWeb 2.0.

Unfiltered Data versus Filtered Data

WebConnect 2.0 can process unfiltered QC data or filtered QC data. It is important to understand the difference between the two types of data.

Unfiltered Data

A QC data file is considered unfiltered when no outliers have been removed by the instrument, middleware, or LIS. The following illustration shows an example of an unfiltered QC data file.

Unfiltered QC data
file with outlier

Instrument	Lot/Level	Test	Result	Date
Inst1	16342	IRON	165	2007/11/01
Inst1	16342	IRON	169	2007/11/02
Inst1	16342	IRON	207	2007/11/03
Inst1	16342	IRON	163	2007/11/04
Inst2	16342	IRON	164	2007/11/05
Inst2	16342	IRON	166	2007/11/06
Inst2	16342	IRON	167	2007/11/07
Inst2	16342	IRON	168	2007/11/08
Inst2	16342	IRON	161	2007/11/09

It is important to understand how your instrument, middleware, or LIS handles outliers in the QC data file. For example, the next illustration shows the same outlier, but in this case the LIS recognized the outlier and required a comment be added.

Unfiltered QC data file
with outlier and comment

Instrument	Lot/Level	Test	Result	Date
Inst1	16342	IRON	165	2007/11/01
Inst1	16342	IRON	169	2007/11/02
Inst1	16342	IRON	207	2007/11/03 Reran test
Inst1	16342	IRON	163	2007/11/04
Inst2	16342	IRON	164	2007/11/05
Inst2	16342	IRON	166	2007/11/06
Inst2	16342	IRON	167	2007/11/07
Inst2	16342	IRON	168	2007/11/08
Inst2	16342	IRON	161	2007/11/09

Although the LIS required a comment be added to the outlier, the outlier was determined if a QC data file is unfiltered, make a copy of the data file, open the file, and search for a known outlier. (See **Copying a QC Data File** on page 39 for more information.)



Important: Do not open or manually alter the data in the QC data file. For example, manually deleting outliers can corrupt the file.

Filtered Data

A QC data file is considered filtered when the outliers have been automatically removed by the instrument, middleware, or LIS. The following example shows a comparison between an unfiltered QC data file and a filtered QC data file.

QC data file—unfiltered showing outlier and comment

Instrument	Lot/Level	Test	Result	Date
Inst1	16342	IRON	165	2007/11/01
Inst1	16342	IRON	169	2007/11/02
Inst1	16342	IRON	207	2007/11/03 Reran test
Inst1	16342	IRON	163	2007/11/04
Inst2	16342	IRON	164	2007/11/05
Inst2	16342	IRON	166	2007/11/06
Inst2	16342	IRON	167	2007/11/07
Inst2	16342	IRON	168	2007/11/08
Inst2	16342	IRON	161	2007/11/09

Same QC data file—filtered

The outlier (207) and comment have been removed by the instrument, middleware, or LIS.

Instrument	Lot/Level	Test	Result	Date
Inst1	16342	IRON	165	2007/11/01
Inst1	16342	IRON	169	2007/11/02
Inst1	16342	IRON	164	2007/11/03
Inst1	16342	IRON	163	2007/11/04
Inst2	16342	IRON	164	2007/11/05
Inst2	16342	IRON	166	2007/11/06
Inst2	16342	IRON	167	2007/11/07
Inst2	16342	IRON	168	2007/11/08
Inst2	16342	IRON	161	2007/11/09

Creating a QC Data File

The steps for creating a data file vary according to the instrument, middleware, or LIS. Bio-Rad has directions for creating QC data files for most of the common instruments, middleware, and LIS.



Important: If Bio-Rad does not have directions for creating a QC data file on your instrument, middleware, or LIS, contact your laboratory's instrument, middleware, or LIS specialist or contact the instrument, middleware, or LIS manufacturer.

How Often to Create a QC Data File

You must create a new QC data file every time you use WebConnect 2.0 to transform and import QC data into UnityWeb 2.0. This must be done at least on a monthly basis in order to submit the QC data to Bio-Rad for peer group comparison and Unity Interlaboratory Reports.

Some customers find that 30 days of data is a very large file. In such cases, a QC data file can be created, transformed, and imported into UnityWeb 2.0 more frequently as needed.

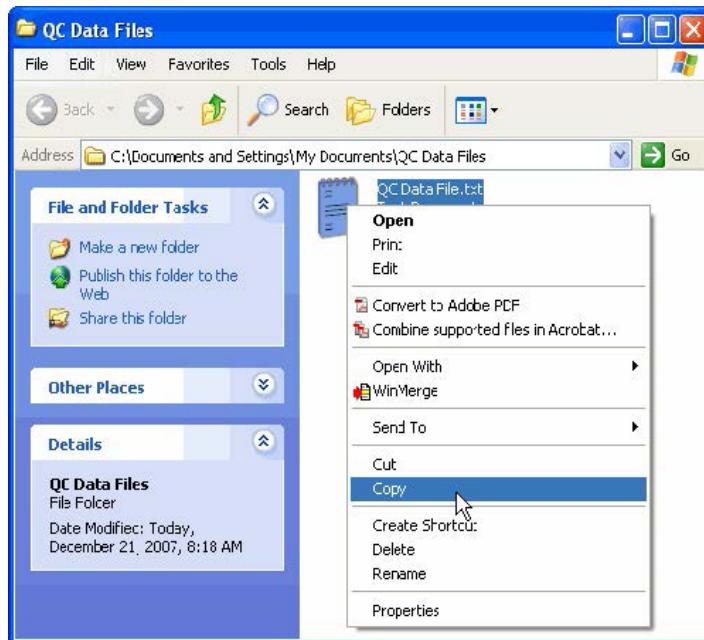


Best Practices—Transform Data Often

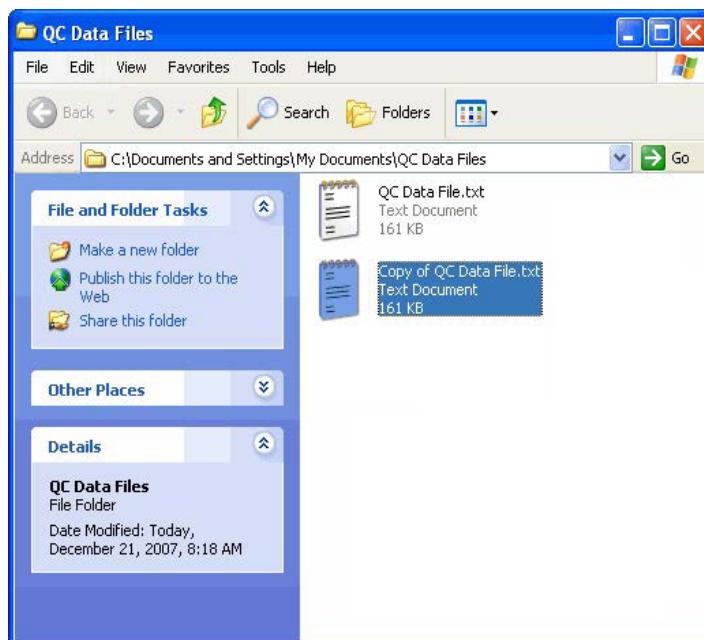
Bio-Rad recommends transforming data as often as possible throughout the month. This helps you become more familiar with the transformation process and alleviates stress and pressure at the end of the month.

Copying a QC Data File

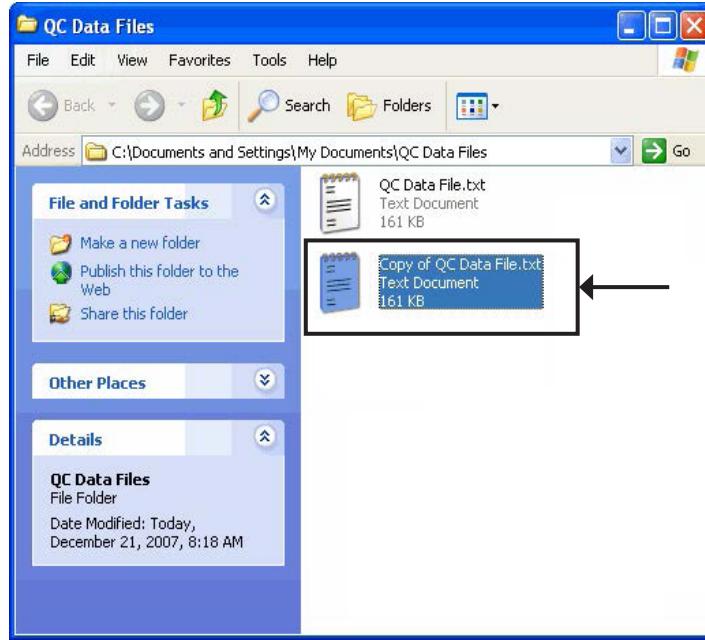
- 1 Right click on the original file and then click **Copy**.



- 2 Move the mouse away from the original data file.
- 3 Right click in the window and then click **Paste**.



A copy of the data file appears in the window.



- 4 The copy of the QC data file can be opened and reviewed.



Important: Only use an original QC data file that has not been opened to transform your QC data.

Transforming Data in WebConnect 2.0

In This Chapter

Overview	41
Transforming Data	42
Working with Multiple Data Files	47
Import Settings	54

Overview

Transforming data is the process of translating your QC data from the format of your instrument, middleware, or LIS into the Bio-Rad format. Once transformed, data is automatically imported into UnityWeb 2.0.



Best Practices—Transform Data Often

Bio-Rad recommends transforming data as often as possible throughout the month. This helps you become more familiar with the transformation process and alleviates stress and pressure at the end of the month.

Transforming Data



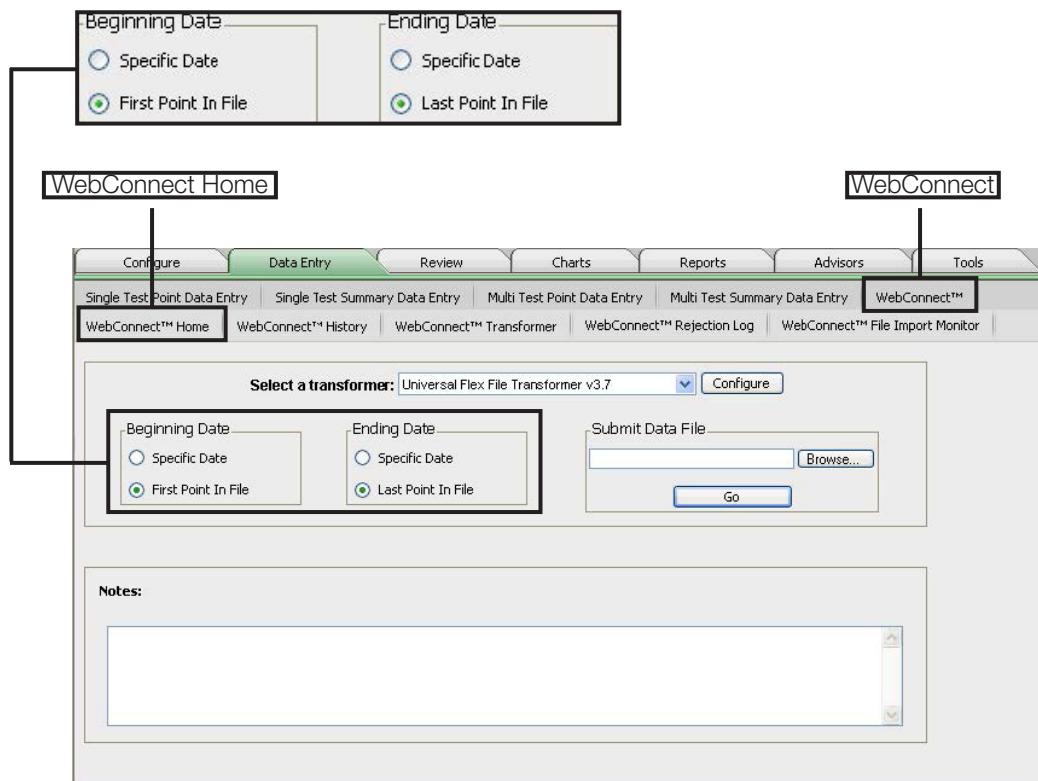
Before You Begin

- 1 Place the QC data file in the **QC Data Folder** on the computer desktop, or insert the CD or disk into the disk drive before you begin.
- 2 Give the QC data file a unique name so it can be easily identified.
- 3 Verify the import settings as described under **Import Settings** on page 54.

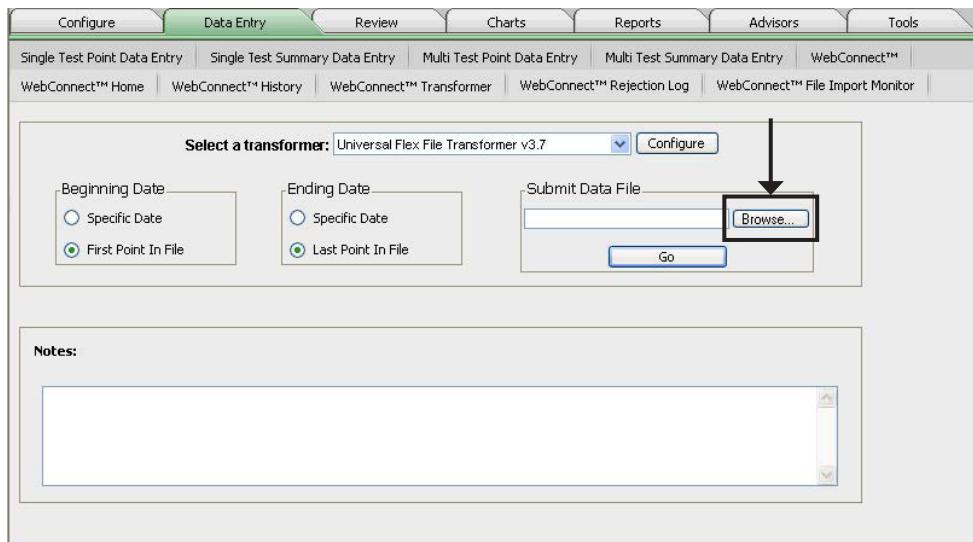


Note: Once the import settings are selected, you do not need to verify the settings again.

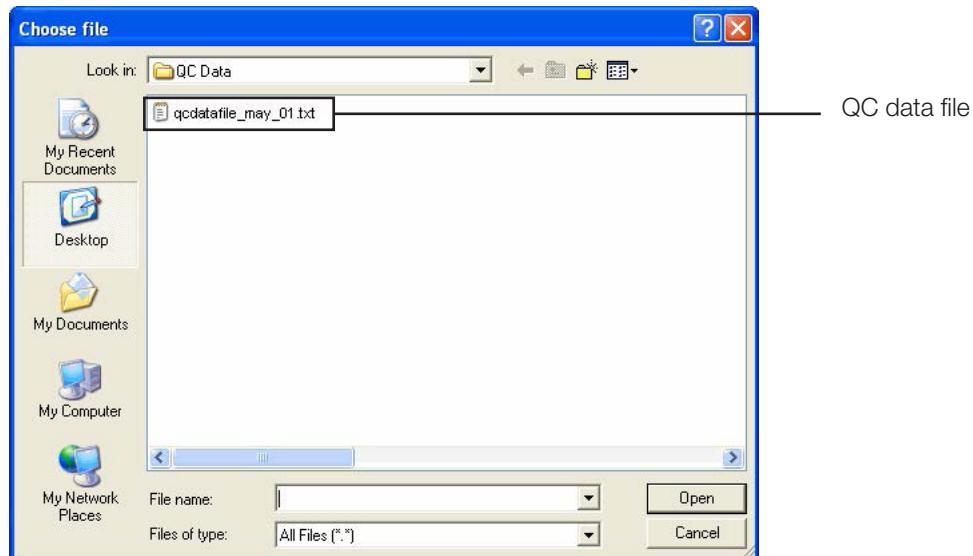
- 1 Log in to UnityWeb 2.0.
- 2 Click the **Data Entry** tab.
- 3 Click **WebConnect**.
- 4 Click **WebConnect Home**.
- 5 Set the date range for the data to transform. Data can be transformed for a particular date range, from the first point in the QC data file to the last point in the QC data file, or a combination of both.



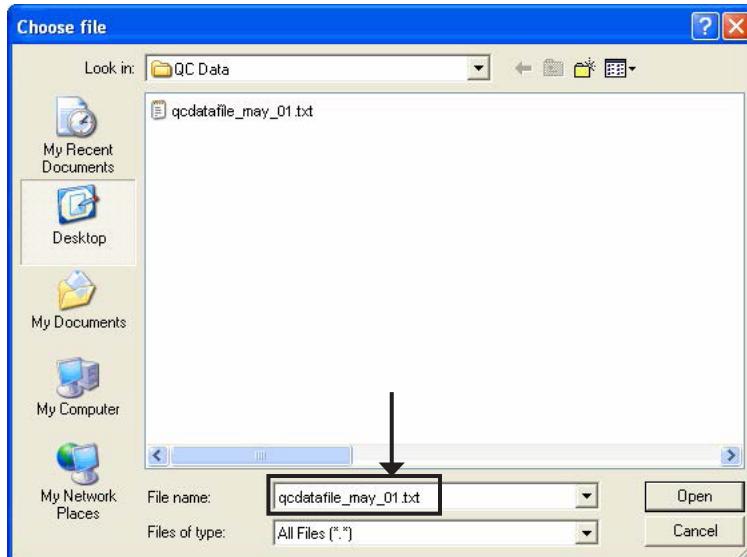
6 Click **Browse**.



7 Select the QC data file to transform.



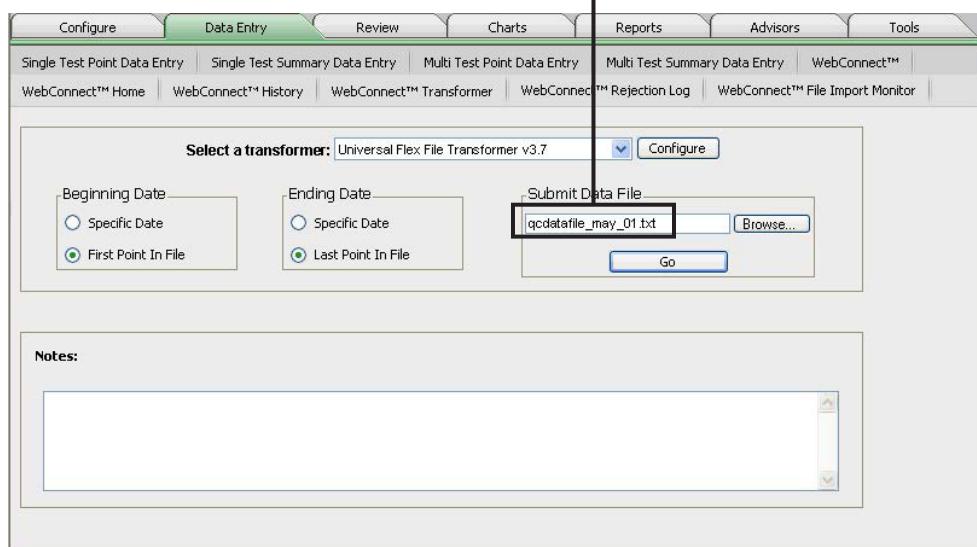
The QC data file name appears in the **File Name** field after selecting it.



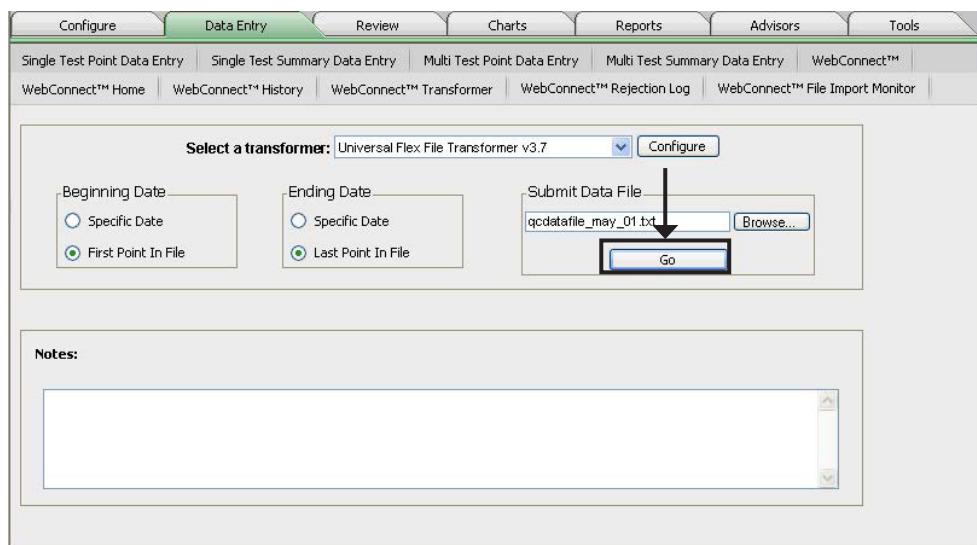
8 Click **Open**.



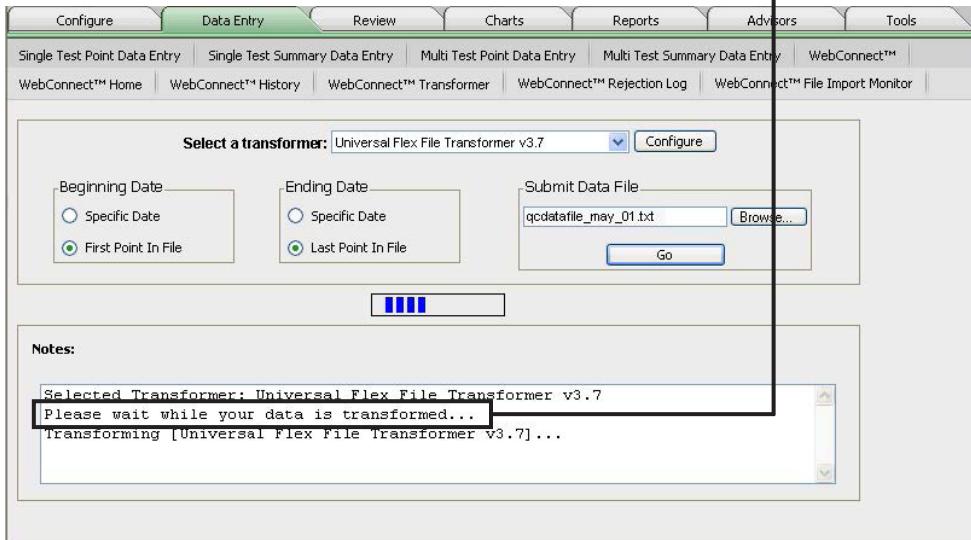
The QC data file name appears here after opening it.



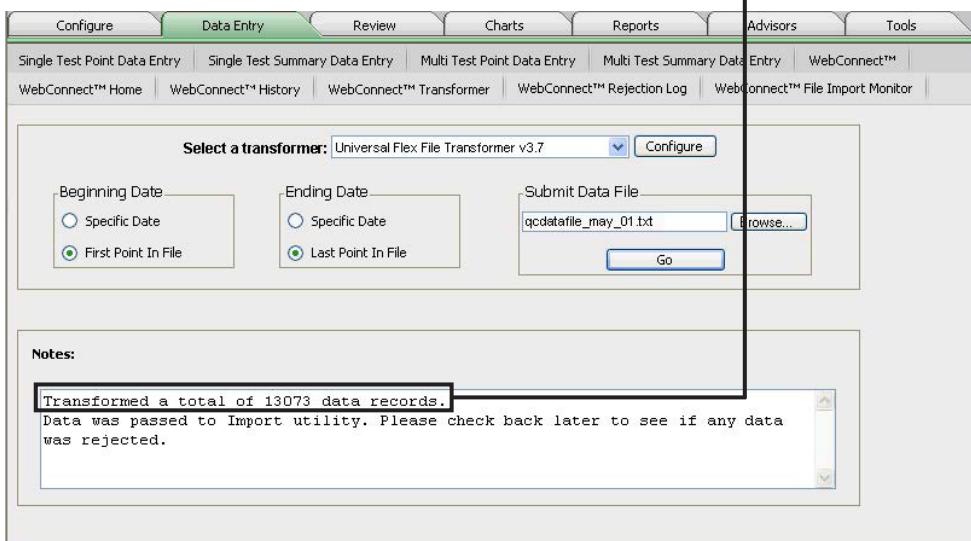
- 9 Click **Go**.



A message states the transformation is in progress.



A second message states the transformation is complete.



- 10 Read the information in the **Notes** section carefully and note the number of data records transformed.



Important: Transformed data is automatically imported into UnityWeb 2.0. See **WebConnect 2.0 File Import Monitor** on page 55 if you want to monitor the status of the import process.

Best Practices—Review the Number of Data Records Transformed

Always review and note the number of data records transformed. Customers who transform data on a regular basis at the same time each month will become familiar with the typical number of data points in their transformed QC data file. For example, if your transformed file normally contains 10,000 data points (records) for the month but the message indicates 3,000 records, further investigation may be required to ensure the QC data file you transformed contained all of your QC data for the month.

Working with Multiple Data Files



Important: Due to the unique configuration of your customized WebConnect 2.0 software, talk to your Bio-Rad representative about the best process for transforming multiple QC data files for your laboratory.

Some Laboratory Information Systems (LIS) output multiple files when creating QC data files. One example is the Orchard LIS. WebConnect 2.0 can be configured to automatically process multiple files which simplifies the transformation process.



Note: WebConnect 2.0 can process up to three data files at a time.

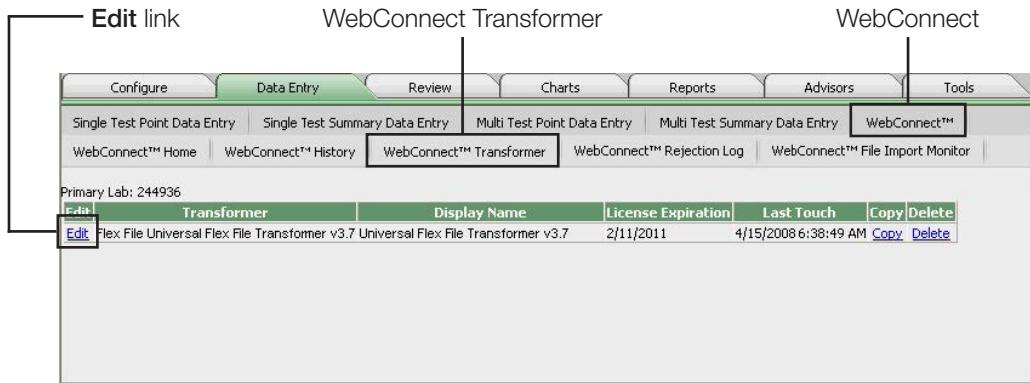
Configuring WebConnect 2.0 to Transform Multiple Files



Note: You must perform a one-time configuration for each transformer.

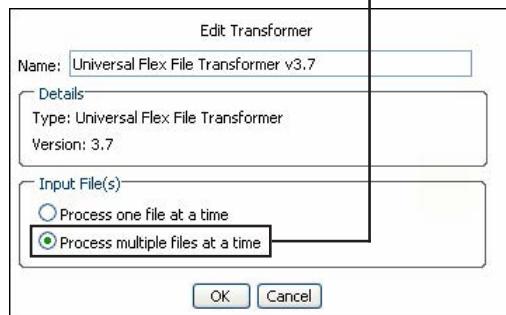
- 1 Click the **Data Entry** tab.
- 2 Click **WebConnect**.
- 3 Click **WebConnect Transformer**.

- 4 Click the **Edit** link located to the left of the transformer.



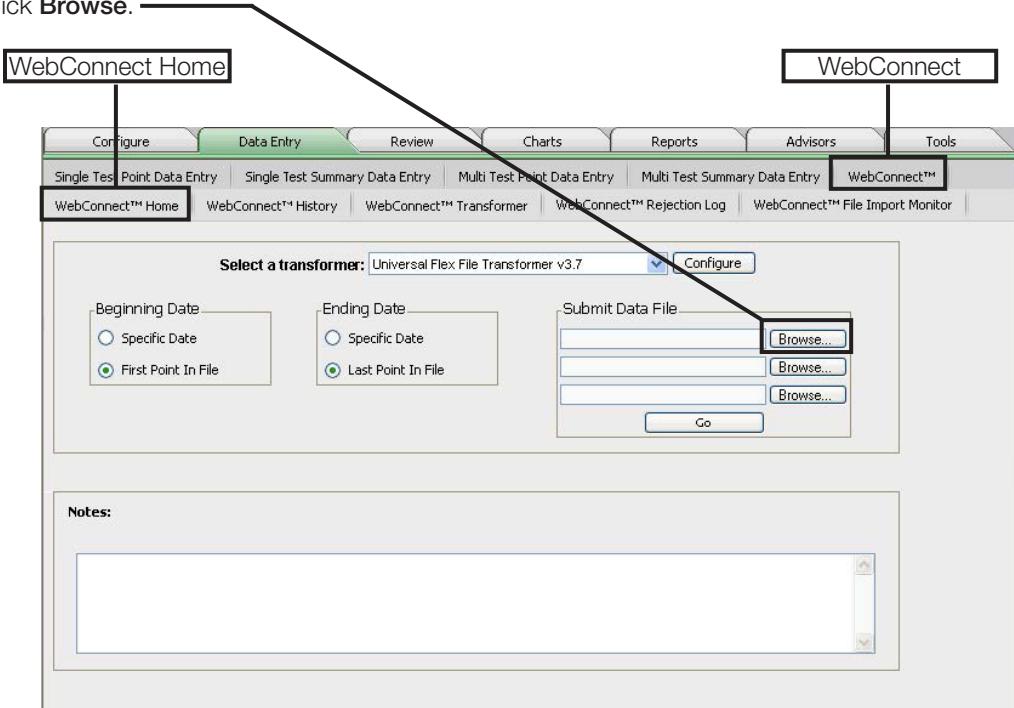
The **Edit Transformer** dialog box appears.

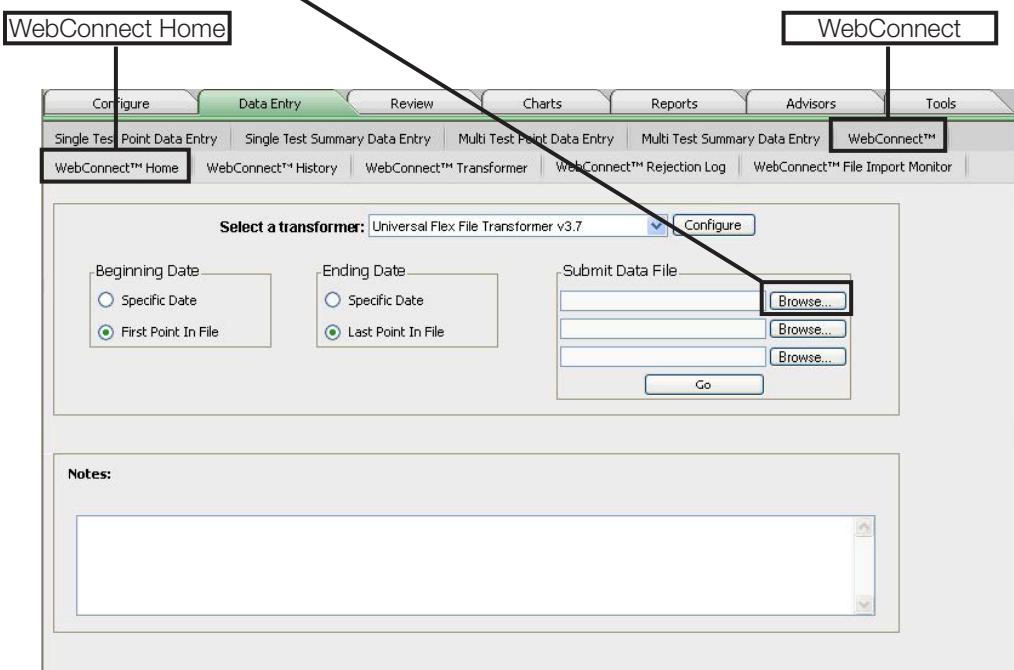
- 5 Select the **Process multiple files at a time** option.



- 6 Click **OK**.

Transforming Multiple Data Files

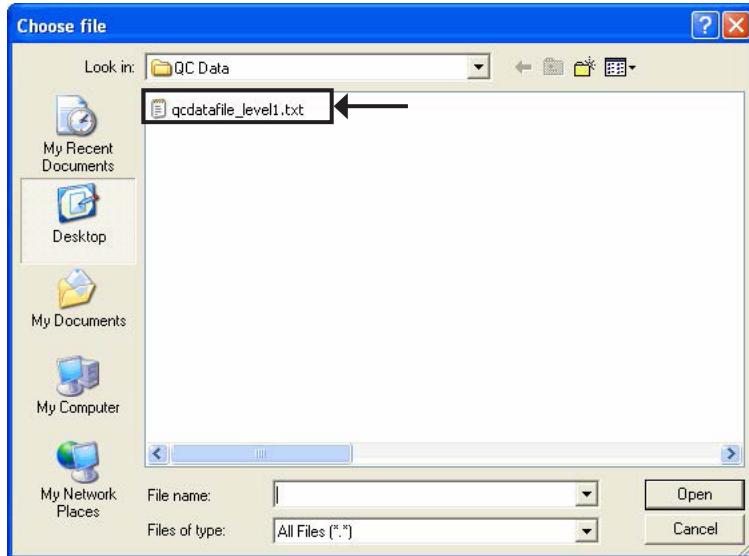
- 1 Click the **Data Entry** tab.
- 2 Click **WebConnect**.
- 3 Click **WebConnect Home**.
- 4 Click **Browse**. 



- 5 Select the QC data file to transform.

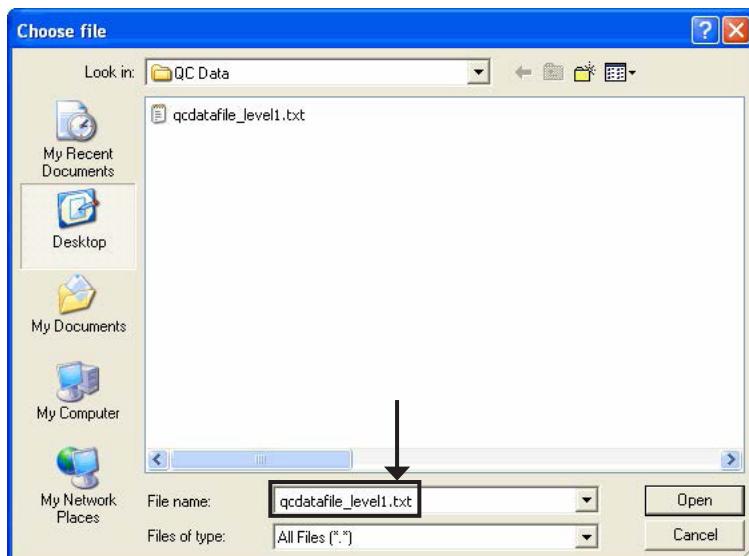


Important: Due to the unique configuration of your customized WebConnect 2.0 software, talk to your Bio-Rad representative about the best process for transforming multiple QC data files for your laboratory.



Tip: Bio-Rad recommends giving each QC data file a unique name so it can easily be identified.

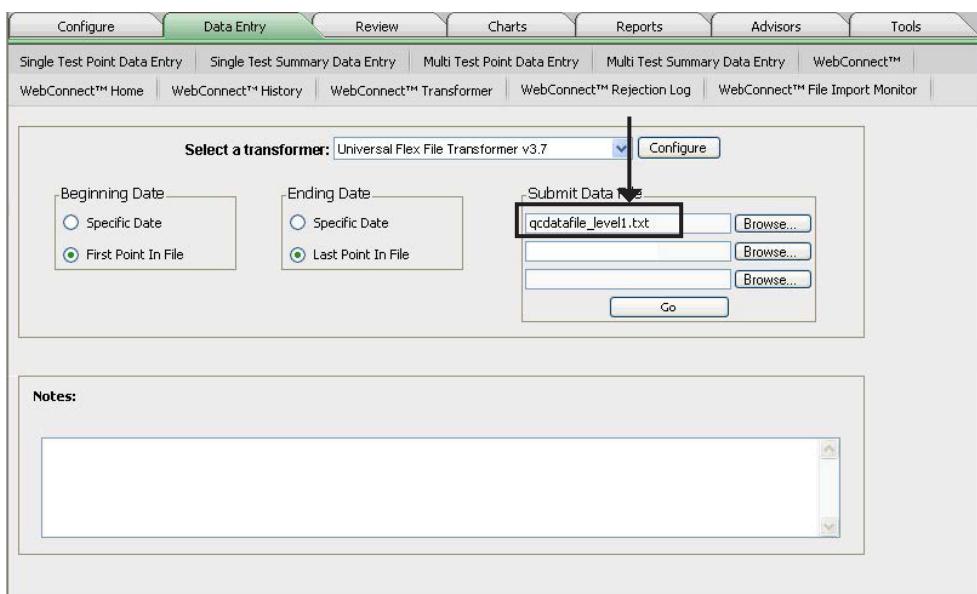
The QC data file name appears here after selecting it.



6 Click **Open**.

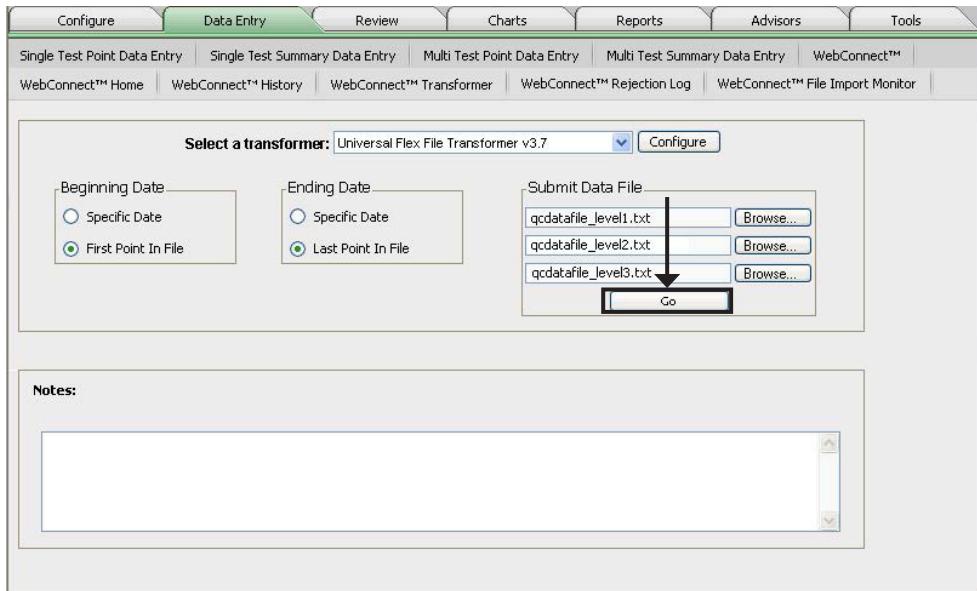


The first **QC Data File** name appears here after opening it.

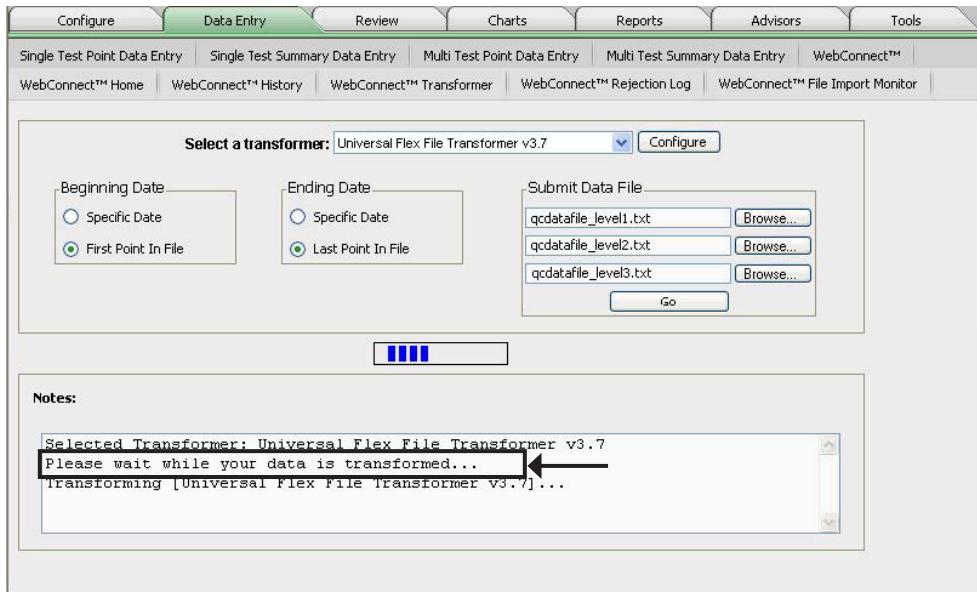


7 Repeat **steps 4–6** to add the other QC data files to transform.

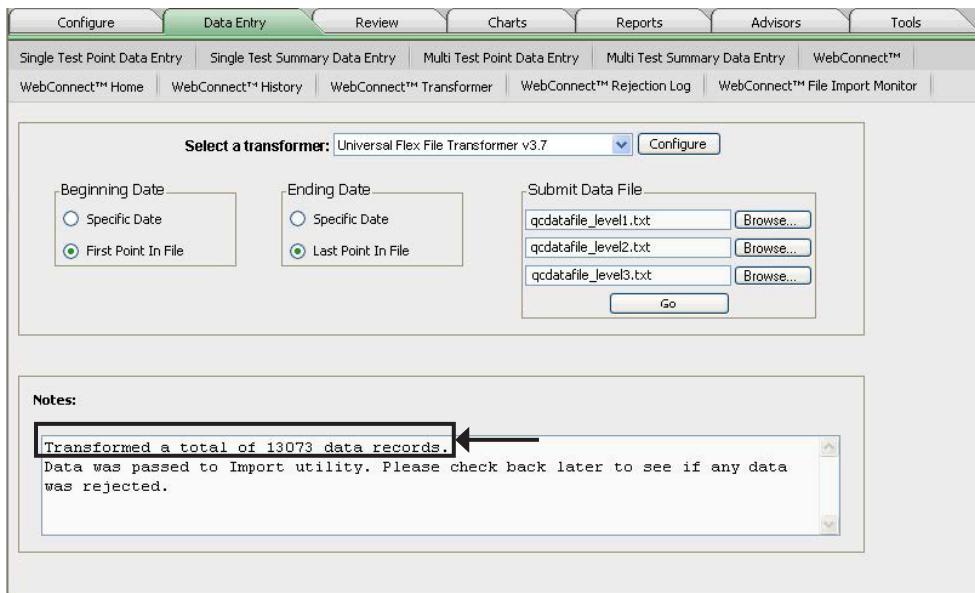
- 8 Click **Go** after all data files are added.



A message states the transformation is in progress.



A second message states the transformation is complete.



- 9 Read the information in the **Notes** section carefully and note the number of data records transformed.



Important: Transformed data is automatically imported into UnityWeb 2.0. See **WebConnect 2.0 File Import Monitor** on page 55 if you want to monitor the status of the import process.

✓ Best Practices—Review the Number of Data Records Transformed

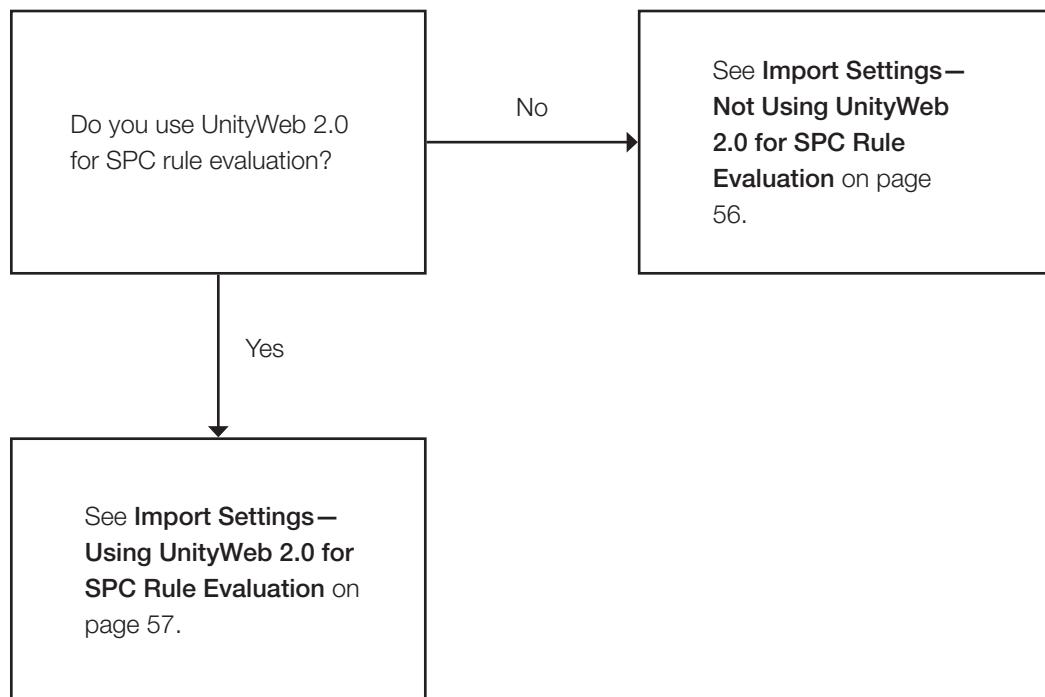
Always review and note the number of data records transformed. Customers who transform data on a regular basis at the same time each month will become familiar with the typical number of data points in their transformed QC data file. For example, if your transformed file normally contains 10,000 data points (records) for the month but the message indicates 3,000 records, further investigation may be required to ensure the QC data file you transformed contained all of your QC data for the month.

Import Settings

Transformed QC data is automatically imported into UnityWeb 2.0 based on the import settings defined in UnityWeb 2.0.

- 1 Click the **Tools** tab.
- 2 Click **Utilities**.
- 3 Click **Import Settings**.

It is best to determine the import settings based on your use of UnityWeb 2.0 for SPC rule evaluation.



WebConnect 2.0 File Import Monitor

Transformed QC data is automatically imported into UnityWeb 2.0. Use the WebConnect **File Import Monitor** if you want to monitor the status of the import process.

- 1 Click the **Data Entry** tab.
- 2 Click **WebConnect**.
- 3 Click **WebConnect File Import Monitor**.

The screenshot shows the 'WebConnect File Import Monitor' window. At the top, there's a menu bar with tabs: Configure, Data Entry (which is selected), Review, Charts, Reports, Advisors, and Tools. Below the menu is a sub-navigation bar with links: Single Test Point Data Entry, Single Test Summary Data Entry, Multi Test Point Data Entry, Multi Test Summary Data Entry, WebConnect™, WebConnect™ Home, WebConnect™ History, WebConnect™ Transformer, WebConnect™ Rejection Log, and WebConnect™ File Import Monitor (which is also highlighted). A dropdown menu for 'Year' is set to 2008. The main area contains a table with columns: Time Stamp, File Name, Status, and Delete. The table lists three entries:

Time Stamp	File Name	Status	Delete
5/23/2008 9:52:03 AM	WC_329424_UniFlex-v3_10-20080523075202.txt	Completed	Delete
5/22/2008 11:30:31 AM	WC_329424_UniFlex-v3_10-20080522093029.txt	Completed	Delete
5/21/2008 1:32:17 PM	WC_329424_UniFlex-v3_10-20080521113215.txt	Completed	Delete

The **File Import Monitor** provides information about your imported files.

Status column

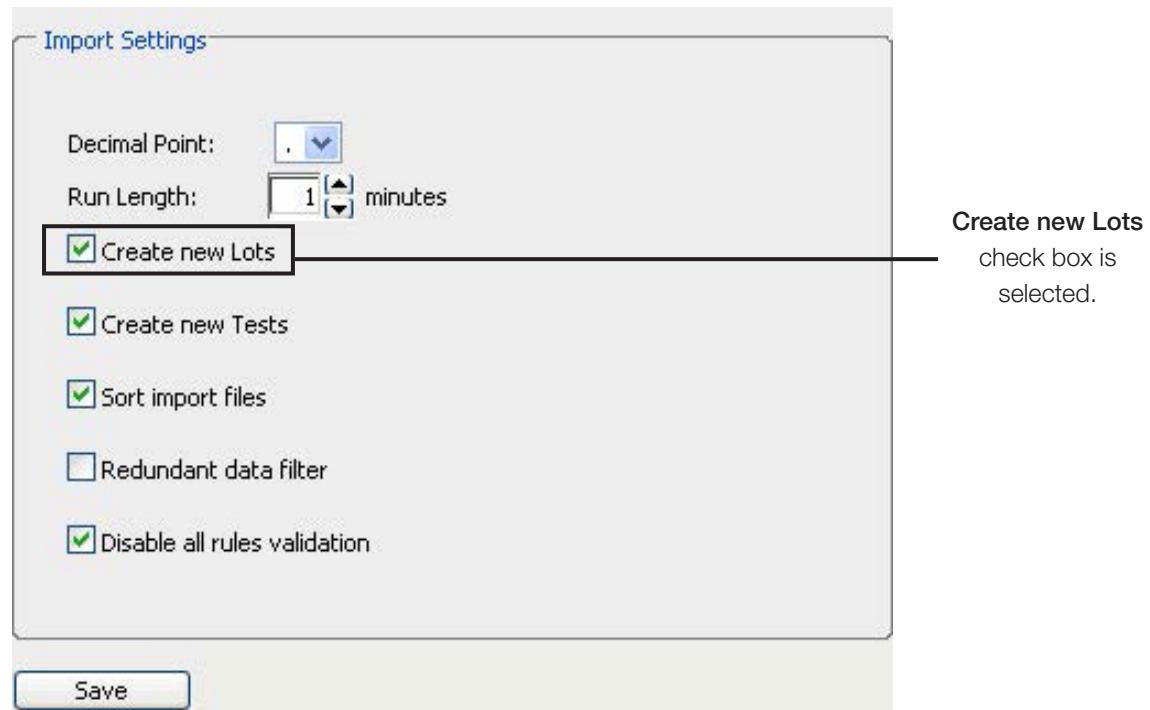
The screenshot shows the same 'WebConnect File Import Monitor' window. A callout box points to the 'Status' column header of the table. The table data remains the same as in the previous screenshot.

Delete link

- 4 Click the **Delete** link to delete a line from the **File Import Monitor**.

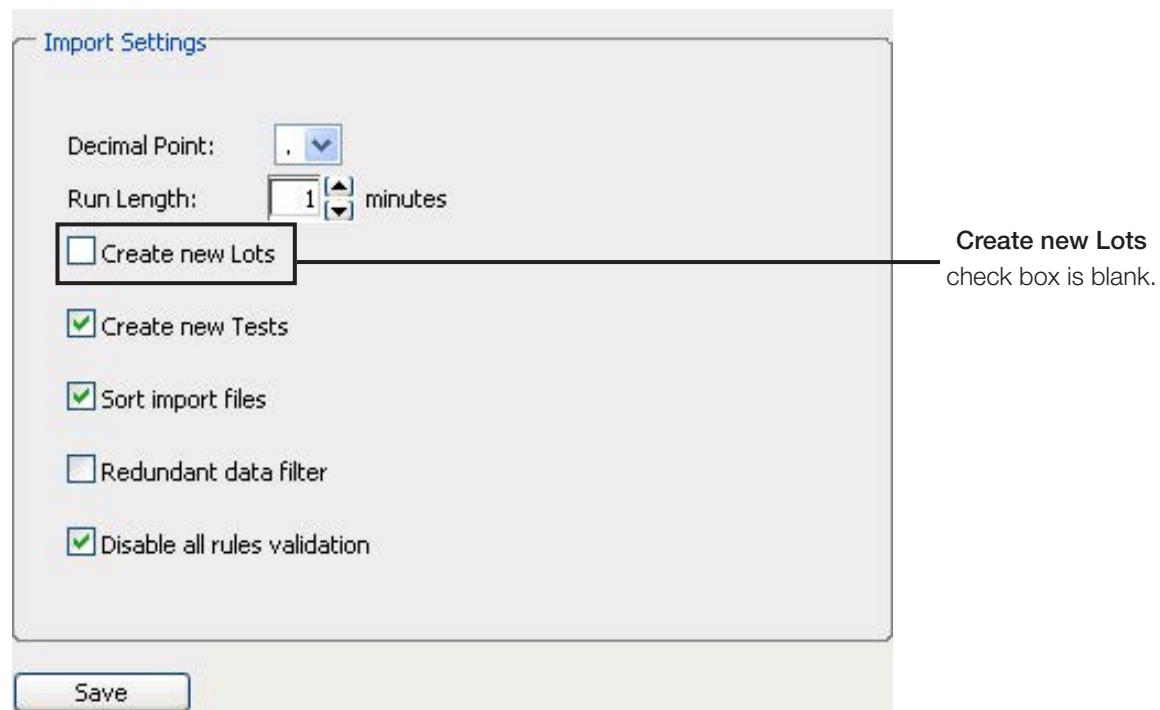
Import Settings—Not Using UnityWeb 2.0 for SPC Rule Evaluation

The following illustration shows recommended import settings for customers who do not use UnityWeb 2.0 for SPC rule evaluation.



Import Settings—Using UnityWeb 2.0 for SPC Rule Evaluation

The following illustration shows recommended import settings for customers who do use UnityWeb 2.0 for SPC rule evaluation.



In order to duplicate current rule configuration and settings from the current lot to the new lot, duplicate the lot in UnityWeb 2.0 before transforming data for the lot for the first time and leave the **Create new Lots** check box blank. See **Configuring a New Lot** on page 61 for more information.

New Configuration in WebConnect 2.0

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Other Types of New Configuration	77
Configuring New Data File Options	78
Configuring a New Instrument	78
Configuring a New Test.....	81

Overview

Bio-Rad customized the WebConnect 2.0 software based on all the information in the original QC data file provided by your laboratory. After the initial configuration is complete, new configuration is required only if a new QC item (such as an instrument, lot, or test) is added to the QC data file.



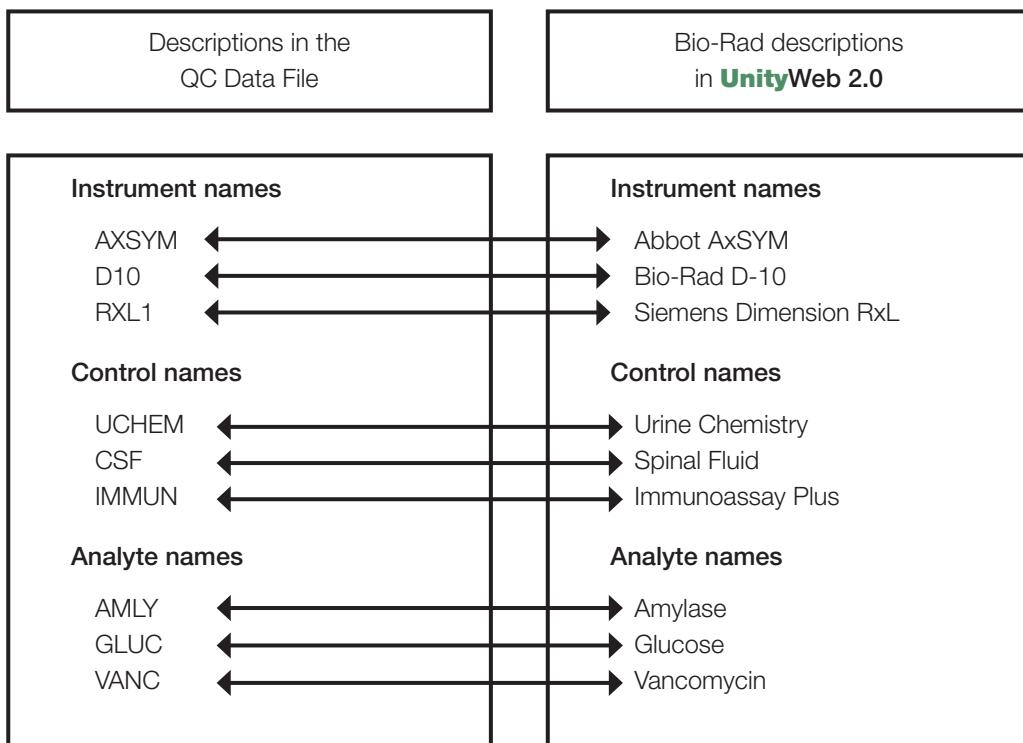
Important: Configuring information in WebConnect 2.0 varies according to the information in your QC data file and the specifics of your customized WebConnect 2.0 software. Therefore, the example configuration information shown in this chapter may not be identical.

WebConnect 2.0 processes the QC data file and, if necessary, displays messages prompting you to match or configure the new information in the QC data file with the information in UnityWeb 2.0. WebConnect 2.0 automatically determines the information needing configuration and presents the appropriate tab where the configuration can be completed.

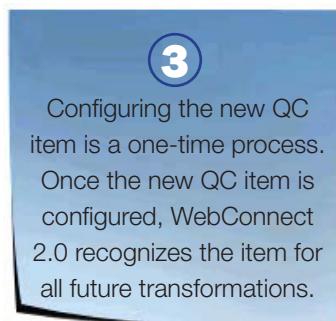
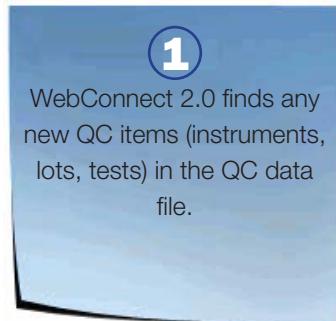
The following illustration shows an example of matching information between the QC data file and UnityWeb 2.0.



Note: The descriptions in the following illustration are examples only. The descriptions in your QC data file will be different.

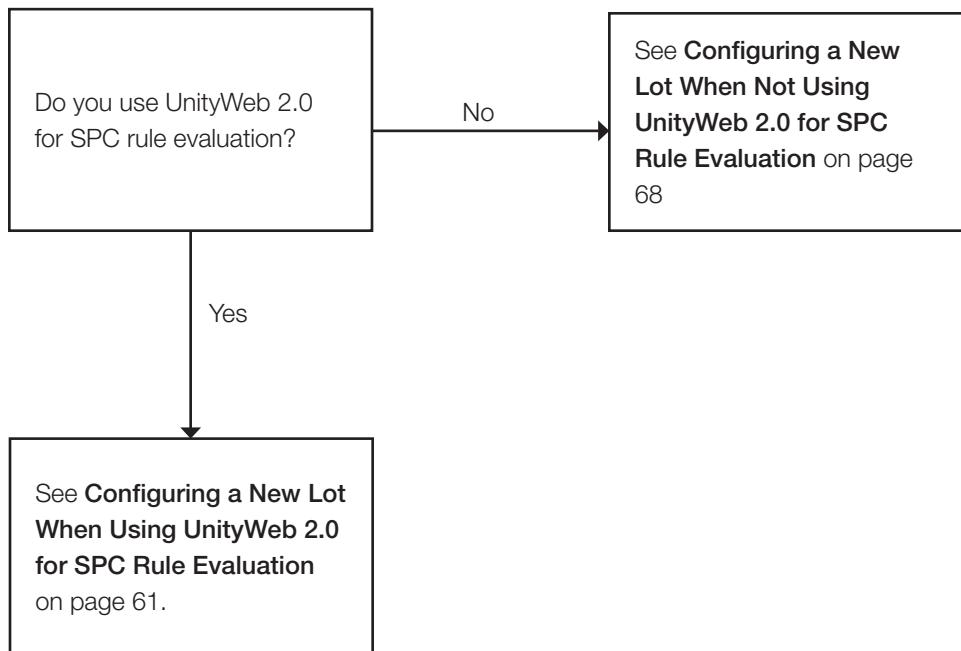


Summary of New Configuration



Configuring a New Lot

The process for configuring a new lot depends on your use of UnityWeb 2.0 for SPC rule evaluation.



Configuring a New Lot When Using UnityWeb 2.0 for SPC Rule Evaluation

Switching to a new lot of control material is one of the most common reasons to complete new configuration in WebConnect 2.0. Configuring WebConnect 2.0 for a new lot is a simple two-step process.

- 1 Duplicate the current lot in UnityWeb 2.0.
- 2 Complete new configuration in WebConnect 2.0.

Duplicating a Lot in UnityWeb 2.0

- 1 Click the **Configure** tab.
- 2 Click **Lot**.
- 3 Make sure the correct number appears in the **Lab number** list if you have more than one lab number.
- 4 Select the lot number to duplicate in the **Open lots** list.
- 5 Click **Duplicate**.
- 6 Select the new lot number from the **New lot number** list.



Note: Only unexpired lot numbers in the same product group appear in the **Lot number** list.

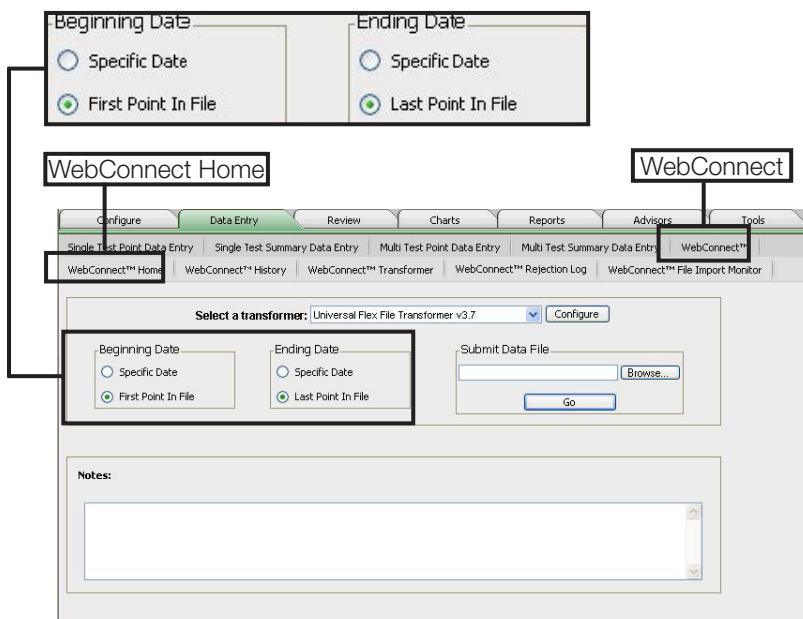
- 7 Click **OK**.

The new lot number appears at the bottom of the **Open lots** list.

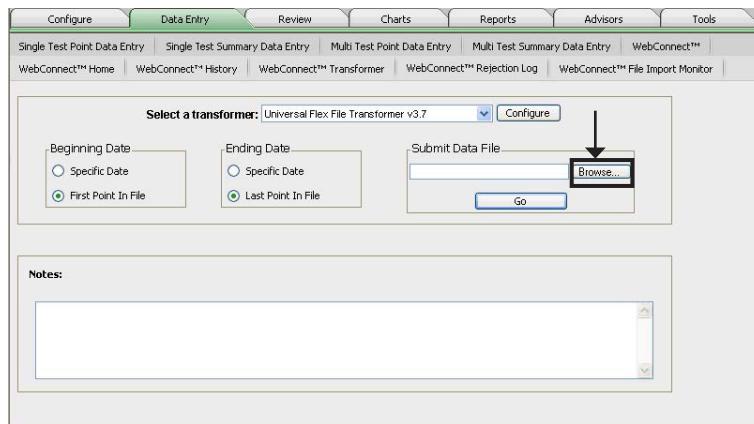
- 8 Follow the typical transformation process and let WebConnect 2.0 guide you through the configuration of the new lot as described on the following pages.
- 9 Continue with the following section, **Completing New Configuration in WebConnect 2.0**.

Completing New Configuration in WebConnect 2.0

- 1 Set the date range for the data to transform. Data can be transformed for a particular date range, from the first point in the QC data file to the last point in the QC data file, or a combination of both.



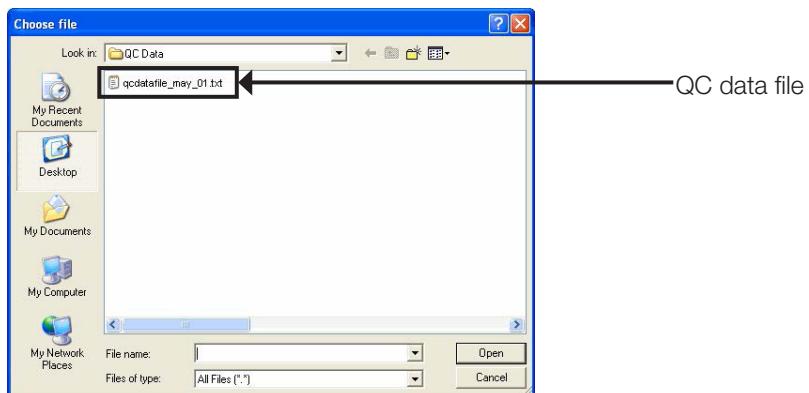
2 Click **Browse.**



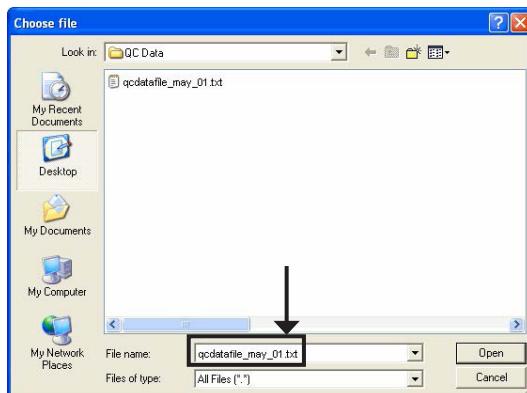
3 Select the QC data file to transform.



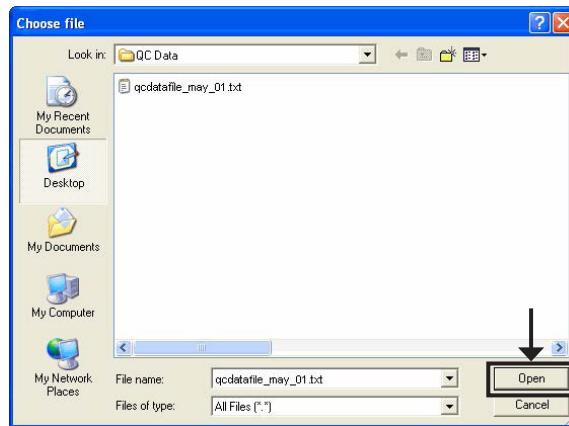
Tip: Bio-Rad recommends giving the QC data file a unique name so it can easily be identified.



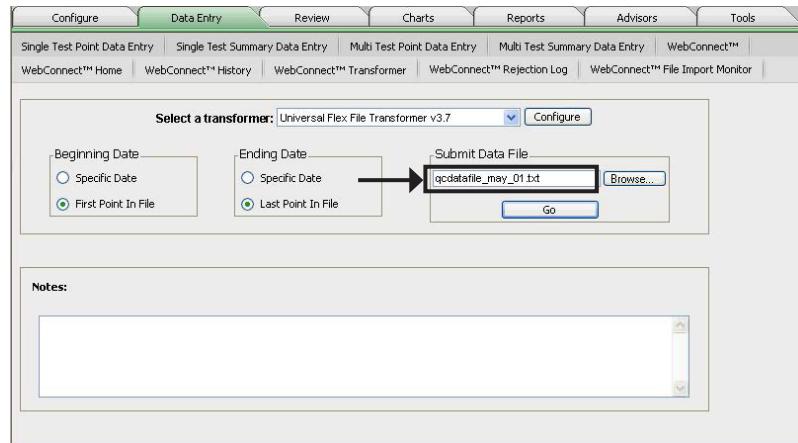
The QC data file name appears here after selecting it.



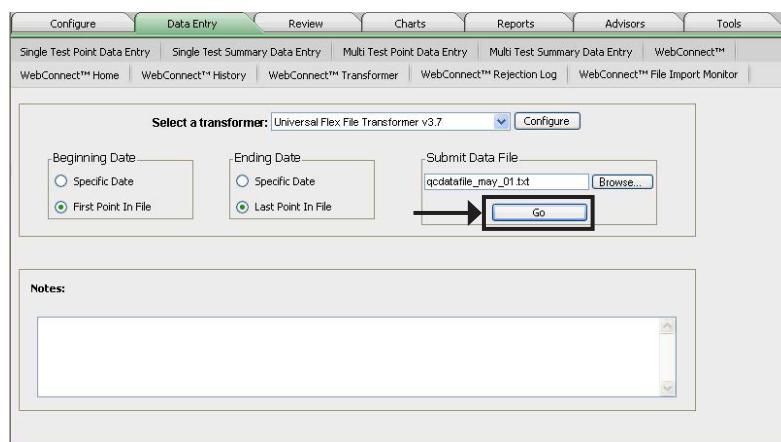
4 Click **Open**.



5 The QC data file name appears here after opening it.



6 Click **Go**.



- 7 A message appears when WebConnect 2.0 finds the new lot. Read the note carefully.



Important: This is not an error message. The message is simply stating there are new codes in the QC data file that have not been matched to Bio-Rad codes in UnityWeb 2.0.

- 8 Click **OK**. The **Lots** tab appears and shows the following information.

The screenshot shows the 'Lots' tab of the WebConnect 2.0 interface. The table has the following data:

Control Name	Lot Number	Lot Number: Product	Level	Get Lot From	Enable
UCHEM	62791	62790: Urine Chemistry	1	Existing Lots	<input checked="" type="checkbox"/>
UCHEM	62792	62790: Urine Chemistry	2	Existing Lots	<input checked="" type="checkbox"/>
CSF	55251	55250: Spinal Fluid	1	Existing Lots	<input checked="" type="checkbox"/>
IMMUNO	40711	40710: Immunoassay Plus	1	Existing Lots	<input checked="" type="checkbox"/>
IMMUNO	40712	40710: Immunoassay Plus	2	Existing Lots	<input checked="" type="checkbox"/>
IMMUNO	40713	40710: Immunoassay Plus	3	Existing Lots	<input checked="" type="checkbox"/>
IMMUNO	40721			Existing Lots	<input checked="" type="checkbox"/>
IMMUNO	40722			Existing Lots	<input checked="" type="checkbox"/>
IMMUNO	40723			Existing Lots	<input checked="" type="checkbox"/>

- 1 Control name in QC data file
- 2 Lot number in QC data file
- 3 Lot tab
- 4 Bio-Rad master lot number and product name
- 5 Control material level
- 6 The check box is selected so WebConnect 2.0 processes data for each lot/level.
- 7 Previous lot number
- 8 New lots in QC data file

WebConnect 2.0 found new lots in the QC data file. The new lots require configuration to match the control name in the QC data file to the Bio-Rad master lot number/product name and level.

Notice the format of the lot number is consistent from the previous lot number to the new lot number.

Control Name	Lot Number	Lot Number: Product	Level	Get Lot From	Enable
UCHEM	62791	62790: Urine Chemistry	1	Existing Lots	<input checked="" type="checkbox"/>
UCHEM	62792	62790: Urine Chemistry	2	Existing Lots	<input checked="" type="checkbox"/>
CSF	55251	55250: Spinal Fluid	1	Existing Lots	<input checked="" type="checkbox"/>
IMMUNO	40711	40710: Immunoassay Plus	1	Existing Lots	<input checked="" type="checkbox"/>
IMMUNO	40712	40710: Immunoassay Plus	2	Existing Lots	<input checked="" type="checkbox"/>
IMMUNO	40713	40710: Immunoassay Plus	3	Existing Lots	<input checked="" type="checkbox"/>
IMMUNO	40721			Existing Lots	<input checked="" type="checkbox"/>
IMMUNO	40722			Existing Lots	<input checked="" type="checkbox"/>
IMMUNO	40723			Existing Lots	<input checked="" type="checkbox"/>

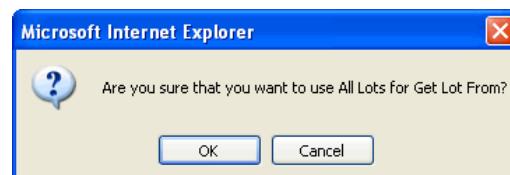
Lot numbers/levels
 for **previous** lot
 40711
 40712
 40713

Lot numbers/levels
 for **new** lot
 40721
 40722
 40723

9 Select **Default to Use Existing Lots**.

Control Name	Lot Number	Lot Number: Product	Level	Get Lot From	Enable
UCHEM	62791	62790: Urine Chemistry	1	Existing Lots	<input checked="" type="checkbox"/>
UCHEM	62792	62790: Urine Chemistry	2	Existing Lots	<input checked="" type="checkbox"/>
CSF	55251	55250: Spinal Fluid	1	Existing Lots	<input checked="" type="checkbox"/>
IMMUNO	40711	40710: Immunoassay Plus	1	Existing Lots	<input checked="" type="checkbox"/>
IMMUNO	40712	40710: Immunoassay Plus	2	Existing Lots	<input checked="" type="checkbox"/>
IMMUNO	40713	40710: Immunoassay Plus	3	Existing Lots	<input checked="" type="checkbox"/>
IMMUNO	40721			Existing Lots	<input checked="" type="checkbox"/>
IMMUNO	40722			Existing Lots	<input checked="" type="checkbox"/>
IMMUNO	40723			Existing Lots	<input checked="" type="checkbox"/>

10 Click **Apply to All**. A message appears asking you to confirm your selection.



11 Click **OK**.

- 12 Click in the first field of the **Lot Number: Product** column requiring configuration. Select the Bio-Rad master lot number and product name that correspond to the control in the **Control Name** column and the lot in the **Lot Number** column.

Control Name	Lot Number	Lot Number: Product	Level	Get Lot From	Enable
UCHEM	62791	62790: Urine Chemistry	1	Existing Lots	<input checked="" type="checkbox"/>
UCHEM	62792	62790: Urine Chemistry	2	Existing Lots	<input checked="" type="checkbox"/>
CSF	55251	55250: Spinal Fluid	1	Existing Lots	<input checked="" type="checkbox"/>
IMMUNO	40711	40710: Immunoassay Plus	1	Existing Lots	<input checked="" type="checkbox"/>
IMMUNO	40712	40710: Immunoassay Plus	2	Existing Lots	<input checked="" type="checkbox"/>
IMMUNO	40713	40710: Immunoassay Plus	3	Existing Lots	<input checked="" type="checkbox"/>
IMMUNO	40721			Existing Lots	<input checked="" type="checkbox"/>
IMMUNO	40722	40710: Immunoassay Plus		Existing Lots	<input checked="" type="checkbox"/>
IMMUNO	40723	40720: Immunoassay Plus 55250: Spinal Fluid 62790: Urine Chemistry		Existing Lots	<input checked="" type="checkbox"/>



Note: The new lot number will not appear in the list of available lots if the old lot was not duplicated in UnityWeb 2.0.

- 13 Click in the **Level** column and select the lot level for the corresponding lot number.

Control Name	Lot Number	Lot Number: Product	Level	Get Lot From	Enable
UCHEM	62791	62790: Urine Chemistry	1	Existing Lots	<input checked="" type="checkbox"/>
UCHEM	62792	62790: Urine Chemistry	2	Existing Lots	<input checked="" type="checkbox"/>
CSF	55251	55250: Spinal Fluid	1	Existing Lots	<input checked="" type="checkbox"/>
IMMUNO	40711	40710: Immunoassay Plus	1	Existing Lots	<input checked="" type="checkbox"/>
IMMUNO	40712	40710: Immunoassay Plus	2	Existing Lots	<input checked="" type="checkbox"/>
IMMUNO	40713	40710: Immunoassay Plus	3	Existing Lots	<input checked="" type="checkbox"/>
IMMUNO	40721	40720: Immunoassay Plus	1	Existing Lots	<input checked="" type="checkbox"/>
IMMUNO	40722		2	Existing Lots	<input checked="" type="checkbox"/>
IMMUNO	40723		3	Existing Lots	<input checked="" type="checkbox"/>

- 14 Make sure the **Enable** check box is selected for WebConnect 2.0 to process data for the lot.

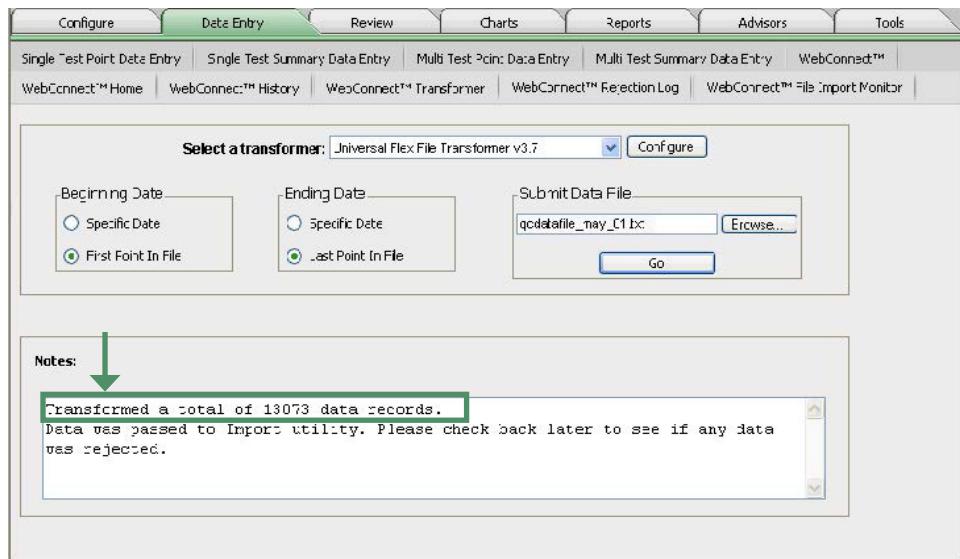


- 15 **Important:** Click the **Enable** check box to clear it and WebConnect 2.0 will exclude the lot and related tests when transforming. DO NOT delete the row.

- 16 Configure any additional lots as necessary.

- 17 Click **Save** when all lots are configured.

- 18 Click **Close**. WebConnect 2.0 now has the information needed to transform data. A message indicates the transformation is complete.



- 19 Read the information in the **Notes** section carefully and note the number of data records transformed.



Important: Configuring the new QC item is a one-time process. Once the new item is configured, WebConnect 2.0 recognizes the item for all future transformations.

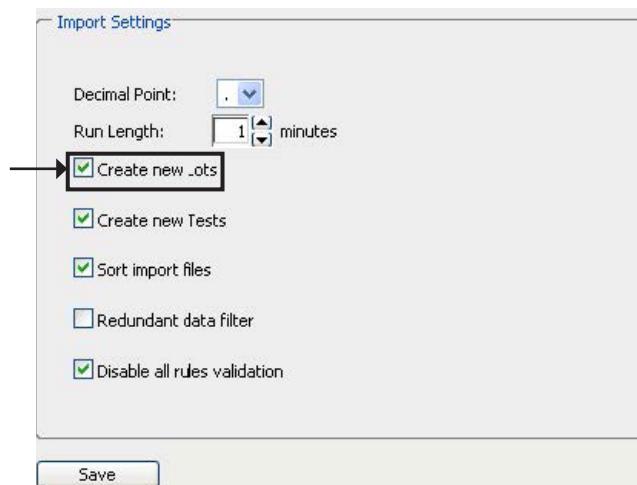
Configuring a New Lot When Not Using UnityWeb 2.0 for SPC Rule Evaluation

Switching to a new lot of control material is one of the most common reasons to complete new configuration in WebConnect 2.0. Configuring a new lot is a simple two-step process:

- 1 Configure the **Import Settings** to automatically create new lots in UnityWeb 2.0 (this is a one-time setup).
- 2 Complete new configuration in WebConnect 2.0.

Configuring Import Settings

- 1 Click the **Tools** tab.
- 2 Click **Utilities**.
- 3 Click **Import Settings**.
- 4 Make sure the **Create new Lots** check box is selected.



- 5 Click **Save**.

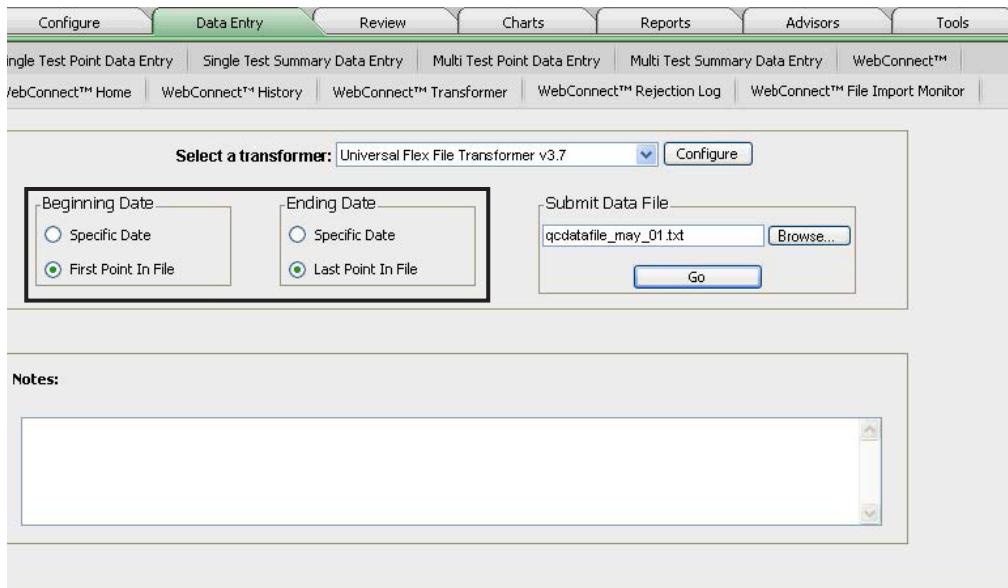


Note: You must perform this one-time configuration for each transformer.

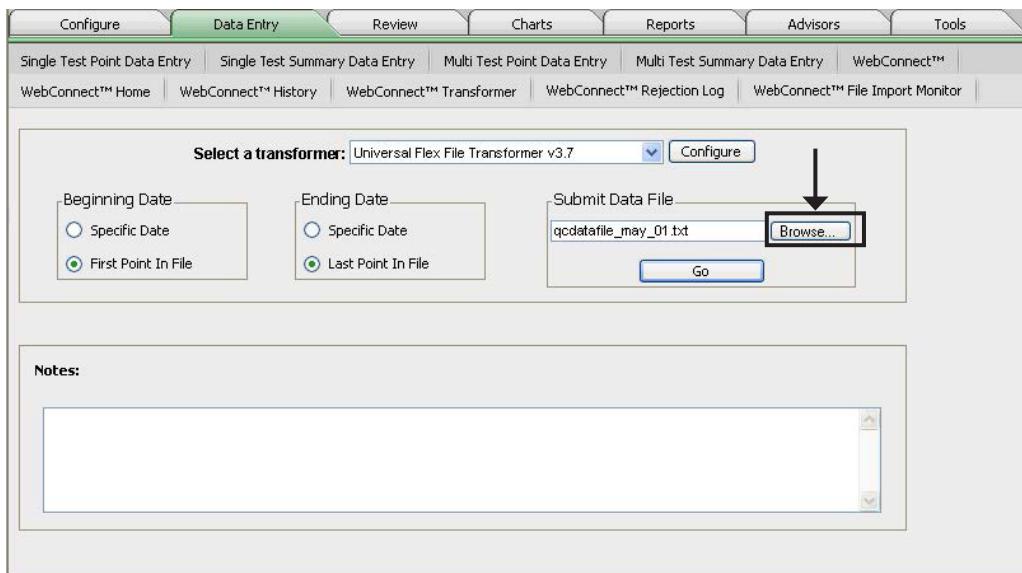
- 6 Continue with the following section, **Completing New Configuration in WebConnect 2.0**.

Completing New Configuration in WebConnect 2.0

- Set the date range for the data to transform. Data can be transformed for a particular date range, from the first point in the QC data file to the last point in the QC data file, or a combination of both.



- Click **Browse**.



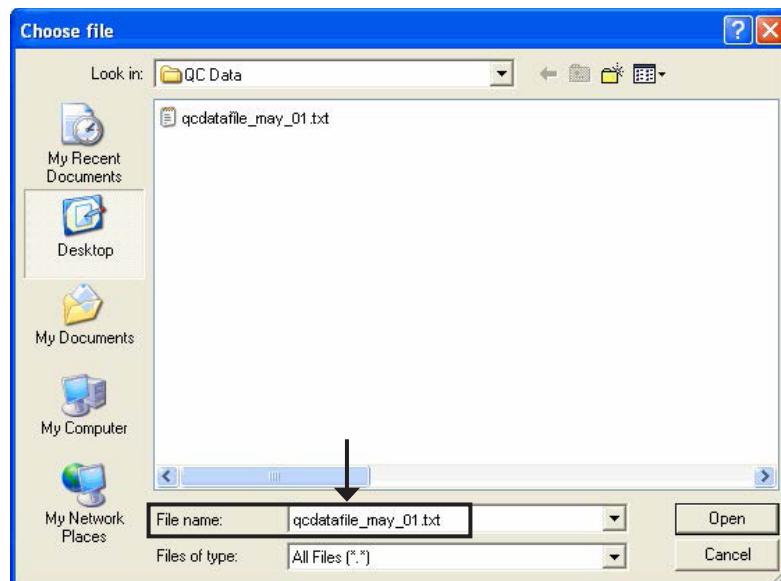
- 3 Select the QC data file to transform.



Note: Bio-Rad recommends giving the QC data file a unique name so it can easily be identified.

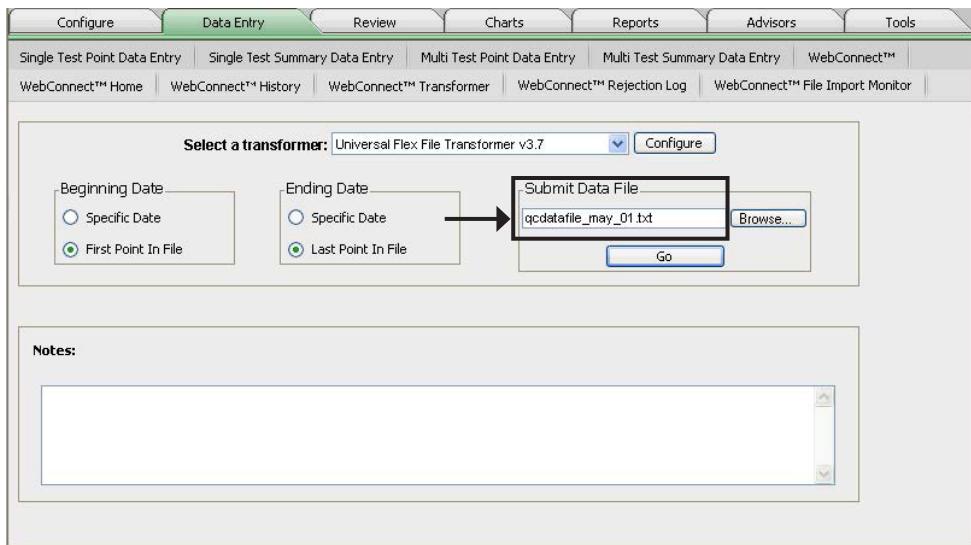


The QC data file name appears in the **File name** field after selecting it.



- 4 Click **Open**.

- 5 The QC data file name appears in the field below **Submit Data File** after opening it.



- 6 Click **Go**. A message appears when WebConnect 2.0 finds the new lot, indicating that some codes require additional configuration. Read the note carefully.



Important: This is not an error message. The message is simply stating there are new codes in the QC data file that have not been matched to Bio-Rad codes in UnityWeb 2.0.

- 7 Click **OK**.

- 8 The **Lots** tab appears and shows the following information.

Control Name	Lot Number	Lot Number: Product	Level	Get Lot From	Enable
UCHEM	62791	62790: Urine Chemistry	1	Existing Lots	<input checked="" type="checkbox"/>
UCHEM	62792	62790: Urine Chemistry	2	Existing Lots	<input checked="" type="checkbox"/>
CSF	55251	55250: Spinal Fluid	1	Existing Lots	<input checked="" type="checkbox"/>
IMMUNO	40711	40710: Immunoassay Plus	1	Existing Lots	<input checked="" type="checkbox"/>
IMMUNO	40712	40710: Immunoassay Plus	2	Existing Lots	<input checked="" type="checkbox"/>
IMMUNO	40713	40710: Immunoassay Plus	3	Existing Lots	<input checked="" type="checkbox"/>
IMMUNO	40721			Existing Lots	<input checked="" type="checkbox"/>
IMMUNO	40722			Existing Lots	<input checked="" type="checkbox"/>
IMMUNO	40723			Existing Lots	<input checked="" type="checkbox"/>

- 1 Control name in QC data file
- 2 Lot number in QC data file
- 3 Lots tab
- 4 Bio-Rad master lot number and product name
- 5 Control material level
- 6 The check box is selected so WebConnect 2.0 processes data for each lot/level.
- 7 Previous lot number
- 8 New lots in QC data file

WebConnect 2.0 found new lots in the QC data file. The new lots require configuration to match the control name in the QC data file to the Bio-Rad master lot number/product name and level.

Notice the format of the **Lot Number** is consistent from the previous lot number to the new lot number.

Control Name	Lot Number	Lot Number: Product	Level	Get Lot From	Enable
UCHEM	62791	62790: Urine Chemistry	1	Existing Lots	<input checked="" type="checkbox"/>
UCHEM	62792	62790: Urine Chemistry	2	Existing Lots	<input checked="" type="checkbox"/>
CSF	55251	55250: Spinal Fluid	1	Existing Lots	<input checked="" type="checkbox"/>
IMMUNO	40711	40710: Immunoassay Plus	1	Existing Lots	<input checked="" type="checkbox"/>
IMMUNO	40712	40710: Immunoassay Plus	2	Existing Lots	<input checked="" type="checkbox"/>
IMMUNO	40713	40710: Immunoassay Plus	3	Existing Lots	<input checked="" type="checkbox"/>
IMMUNO	40721			Existing Lots	<input checked="" type="checkbox"/>
IMMUNO	40722			Existing Lots	<input checked="" type="checkbox"/>
IMMUNO	40723			Existing Lots	<input checked="" type="checkbox"/>

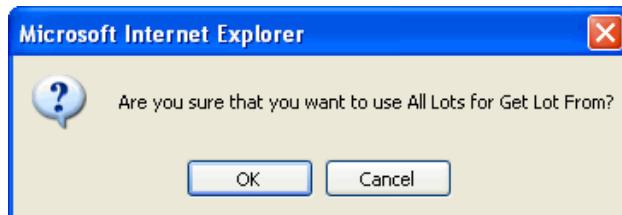
Lot numbers/levels 40711
 for **previous** lot 40712
 40713

Lot numbers/levels 40721
 for **new** lot 40722
 40723

- Select **Default to Use All Lots** from the drop-down list.

Control Name	Lot Number	Lot Number: Product	Level	Get Lot From	Enable
UCHEM	62791	62790: Urine Chemistry	1	Existing Lots	<input checked="" type="checkbox"/>
UCHEM	62792	62790: Urine Chemistry	2	Existing Lots	<input checked="" type="checkbox"/>
CSF	55251	55250: Spinal Fluid	1	Existing Lots	<input checked="" type="checkbox"/>
IMMUNO	40711	40710: Immunoassay Plus	1	Existing Lots	<input checked="" type="checkbox"/>
IMMUNO	40712	40710: Immunoassay Plus	2	Existing Lots	<input checked="" type="checkbox"/>
IMMUNO	40713	40710: Immunoassay Plus	3	Existing Lots	<input checked="" type="checkbox"/>
IMMUNO	40721			Existing Lots	<input checked="" type="checkbox"/>
IMMUNO	40722			Existing Lots	<input checked="" type="checkbox"/>
IMMUNO	40723			Existing Lots	<input checked="" type="checkbox"/>

- 10 Click **Apply to All**. A message appears asking you to confirm your selection.

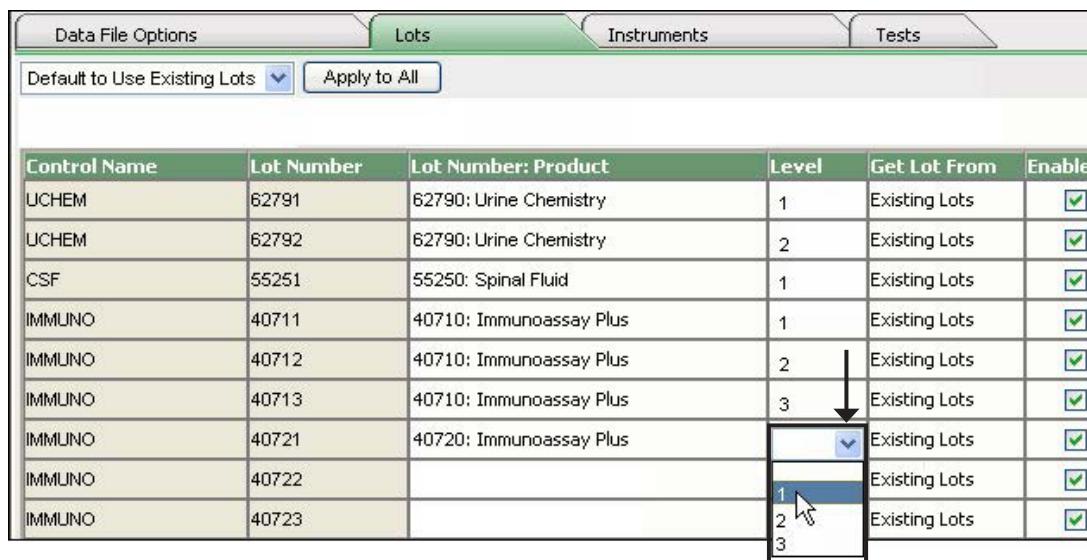


- 11 Click in the first field of the **Lot Number: Product** column requiring configuration. Select the Bio-Rad master lot number and product name corresponding to the control in the **Control Name** column and the lot in the **Lot Number** column.

Control Name	Lot Number	Lot Number: Product	Level	Get Lot From	Enable
UCHEM	62701	62700: Urine Chemistry	1	All Lots	<input checked="" type="checkbox"/>
UCHEM	62702	62700: Urine Chemistry	2	All Lots	<input checked="" type="checkbox"/>
CSF	55251	55250: Spinal Fluid	1	All Lots	<input checked="" type="checkbox"/>
IMMUNO	40711	40710: Immunoassay Plus	1	All Lots	<input checked="" type="checkbox"/>
IMMUNO	40712	40710: Immunoassay Plus	2	All Lots	<input checked="" type="checkbox"/>
IMMUNO	40713	40710: Immunoassay Plus	3	All Lots	<input checked="" type="checkbox"/>
IMMUNO	40721			All Lots	<input checked="" type="checkbox"/>
IMMUNO	40722	05H091: ViroDetect Anti-HBs 05K001: ViroDetect I IDs Ag 06A001: AmpliTrol CT/GC 06A117: VIROTROL HRe-Ag 06A070: VIROTROL RPR Panel 06A007: VIROTROL ToRCI I 06A098: P... 40700: Immunoassay Plus 40710: Immunoassay Plus 40720: Immunoassay Plus		All Lots	<input checked="" type="checkbox"/>
IMMUNO	40723			All Lots	<input checked="" type="checkbox"/>

A dropdown menu is open over the row for Control Name 'IMMUNO' and Lot Number '40722'. The menu lists several product codes, with '40720: Immunoassay Plus' highlighted by a mouse cursor. An arrow points from the left towards this highlighted item.

- 12 Click in the **Level** column drop-list and select the lot level for the corresponding lot number.

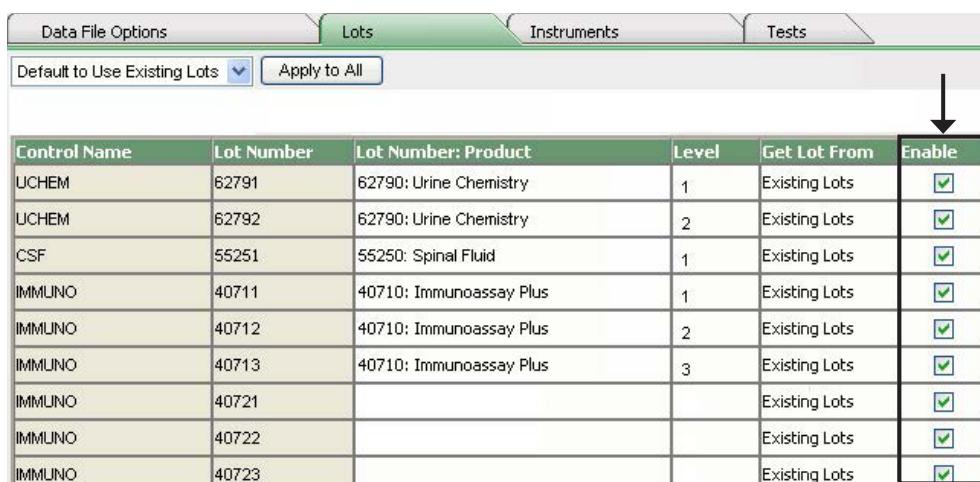


Control Name	Lot Number	Lot Number: Product	Level	Get Lot From	Enable
UCHEM	62791	62790: Urine Chemistry	1	Existing Lots	<input checked="" type="checkbox"/>
UCHEM	62792	62790: Urine Chemistry	2	Existing Lots	<input checked="" type="checkbox"/>
CSF	55251	55250: Spinal Fluid	1	Existing Lots	<input checked="" type="checkbox"/>
IMMUNO	40711	40710: Immunoassay Plus	1	Existing Lots	<input checked="" type="checkbox"/>
IMMUNO	40712	40710: Immunoassay Plus	2	Existing Lots	<input checked="" type="checkbox"/>
IMMUNO	40713	40710: Immunoassay Plus	3	Existing Lots	<input checked="" type="checkbox"/>
IMMUNO	40721	40720: Immunoassay Plus	1	Existing Lots	<input checked="" type="checkbox"/>
IMMUNO	40722		2	Existing Lots	<input checked="" type="checkbox"/>
IMMUNO	40723		3	Existing Lots	<input checked="" type="checkbox"/>

- 13 Make sure the **Enable** check box is selected for WebConnect 2.0 to process data for the lot.



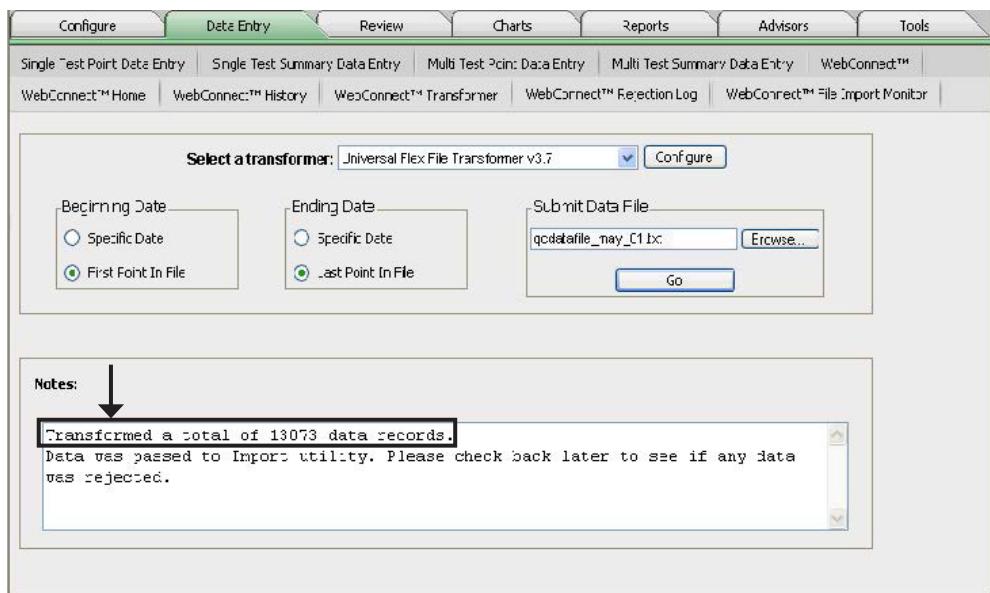
Important: Click the **Enable** check box to clear it and WebConnect 2.0 will exclude the lot and related tests when transforming. DO NOT delete the row.



Control Name	Lot Number	Lot Number: Product	Level	Get Lot From	Enable
UCHEM	62791	62790: Urine Chemistry	1	Existing Lots	<input checked="" type="checkbox"/>
UCHEM	62792	62790: Urine Chemistry	2	Existing Lots	<input checked="" type="checkbox"/>
CSF	55251	55250: Spinal Fluid	1	Existing Lots	<input checked="" type="checkbox"/>
IMMUNO	40711	40710: Immunoassay Plus	1	Existing Lots	<input checked="" type="checkbox"/>
IMMUNO	40712	40710: Immunoassay Plus	2	Existing Lots	<input checked="" type="checkbox"/>
IMMUNO	40713	40710: Immunoassay Plus	3	Existing Lots	<input checked="" type="checkbox"/>
IMMUNO	40721			Existing Lots	<input checked="" type="checkbox"/>
IMMUNO	40722			Existing Lots	<input checked="" type="checkbox"/>
IMMUNO	40723			Existing Lots	<input checked="" type="checkbox"/>

- 14 Configure any additional lots as necessary.
 15 Click **Save** when all lots are configured.
 16 Click **Close**. WebConnect 2.0 now has the information needed to transform data.

A message indicates transformation is complete.



- 17 Read the information in the **Notes** section carefully and note the number of data records transformed.



Important: Configuring the new QC item is a one-time process. Once the new item is configured, WebConnect 2.0 recognizes the item for all future transformations.

Other Types of New Configuration

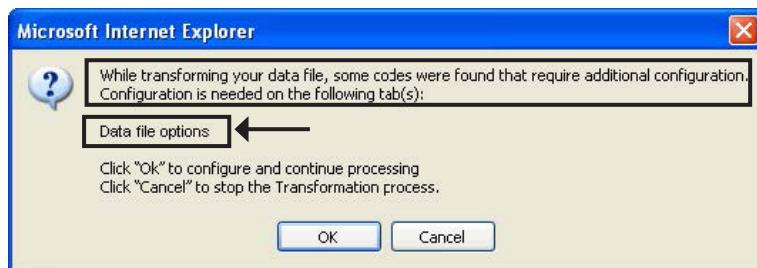
The following are possible types of information that may require configuration in WebConnect 2.0:

- **Data file options**
 - See [Configuring New Data File Options](#) on page 78.
- **Instruments**
 - See [Configuring a New Instrument](#) on page 78.
- **Tests**
 - See [Configuring a New Test](#) on page 81.

Configuring New Data File Options



Important: Due to the unique configuration of your customized WebConnect 2.0 software, talk to your Bio-Rad representative if you see the following message, indicating that some codes require additional configuration on the **Data file options** tab.

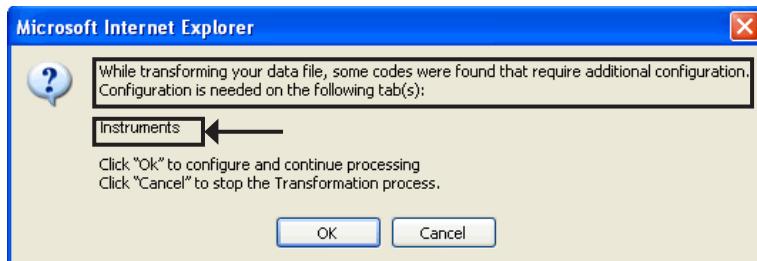


Configuring a New Instrument



Important: Configuring information in WebConnect 2.0 varies according to the information in your QC data file and the specifics of your customized WebConnect 2.0 software. Therefore, the example configuration information shown in this chapter may not be identical.

As WebConnect 2.0 processes the QC data file, a message appears if WebConnect 2.0 finds a new instrument.



Important: This is not an error message. The message is simply stating there are new codes in the QC data file that have not been matched to Bio-Rad codes in UnityWeb 2.0.

- 1 Click **OK**. The **Instruments** tab appears, containing the following information:

Data File Options		Lots	Instruments	Tests
Default to Use Existing Insts <input type="button" value="Apply to All"/>				
Local Instrument	Bio-Rad Instrument	Lab Number	Get Inst From	Enable
AXSYM	Abbott AxSYM	244909	Existing Insts	<input checked="" type="checkbox"/>
D10	Bio-Rad D-10	244909	Existing Insts	<input checked="" type="checkbox"/>
RXL			Existing Insts	<input checked="" type="checkbox"/>

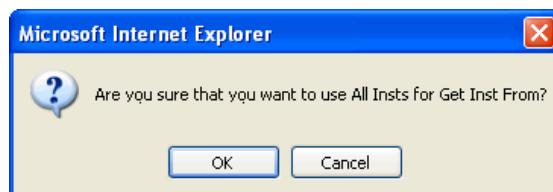
- 1 Instrument name in QC data file
- 2 Bio-Rad Instrument name
- 3 Bio-Rad Lab Number
- 4 Instruments tab
- 5 The check box in the Enable column is selected so WebConnect 2.0 processes data for each instrument.
- 6 Instrument requiring configuration

WebConnect 2.0 found the new instrument in the QC data file. The new instrument requires configuration to match the instrument name in the QC data file to the Bio-Rad instrument name.

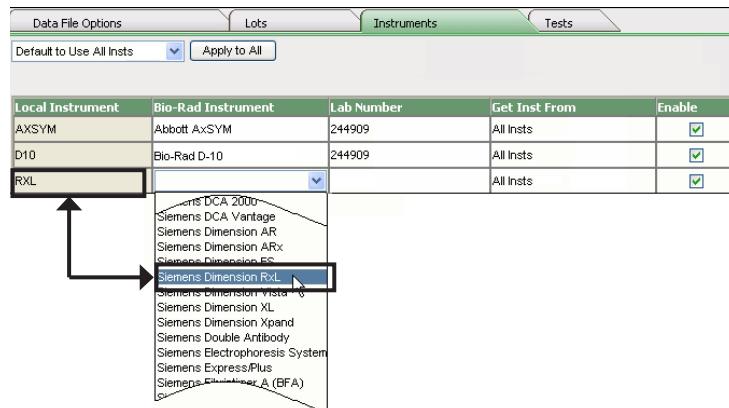
- 2 Select **Default to Use All Insts**.

Data File Options		Lots	Instruments	Tests
Default to Use Existing Insts <input type="button" value="Apply to All"/>				
Local Instrument	Bio-Rad Instrument	Lab Number	Get Inst From	Enable
AXSYM	Abbott AxSYM	244909	Existing Insts	<input checked="" type="checkbox"/>
D10	Bio-Rad D-10	244909	Existing Insts	<input checked="" type="checkbox"/>
RXL			Existing Insts	<input checked="" type="checkbox"/>

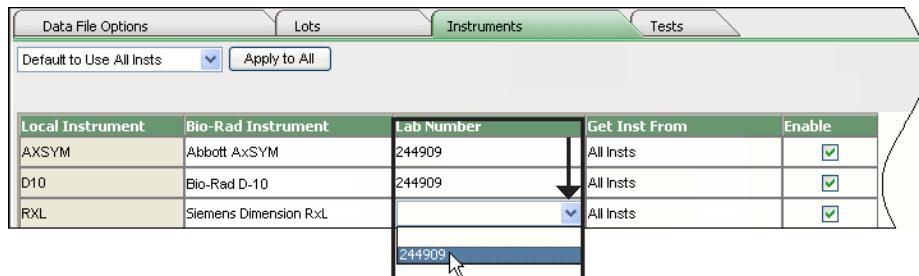
- 3 Click **Apply to All**. A message appears asking you to confirm your selection.



- 4 Click **OK**.
- 5 Click in the field of the **Bio-Rad Instrument** column requiring configuration and select the Bio-Rad instrument name corresponding to the name in the **Local Instrument** column.



- 6 Select the lab number for the instrument from the drop-down list in the **Lab Number** column.



Important: Two instruments of the same type must be set up in separate lab numbers. A lab number can only be assigned by Bio-Rad. Contact your Bio-Rad QC Program Representative if you need additional lab numbers.

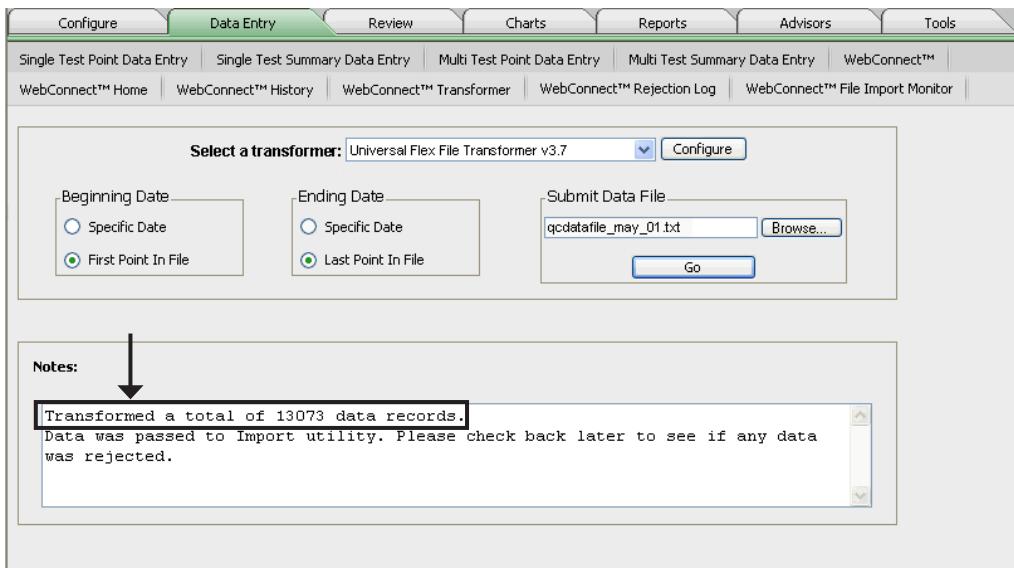
- 7 Make sure the **Enable** check box is selected for WebConnect™ 2.0 to process data for the instrument.



Important: Click the Enable check box to clear it and WebConnect 2.0 will exclude the instrument when transforming. DO NOT delete the row.

- 8 Click **Save**.
- 9 Click **Close**. WebConnect 2.0 now has the information needed to transform data.

A message indicates transformation is complete.



- 10 Read the information in the **Notes** section carefully and note the number of data records transformed.



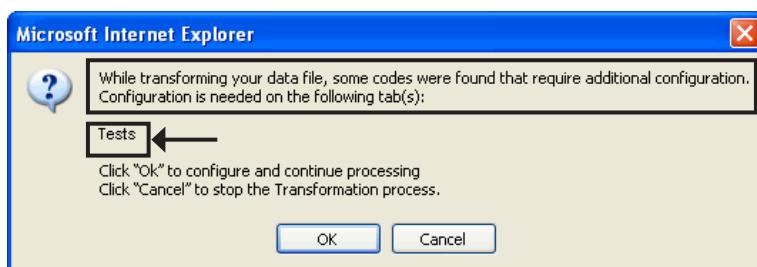
Important: Configuring the new QC item is a one-time process. Once the new item is configured, WebConnect 2.0 recognizes the item for all future transformations.

Configuring a New Test



Important: Configuring information in WebConnect 2.0 varies according to the information in your QC data file and the specifics of your customized WebConnect 2.0 software. Therefore, the example configuration information shown in this chapter may not be identical.

As WebConnect 2.0 processes the QC data file, a message appears if WebConnect 2.0 finds a new test. The message indicates that codes were found that require additional configuration on the **Tests** tab.



Important: This is not an error message. The message is simply stating there are new codes in the QC data file that have not been matched to Bio-Rad codes in UnityWeb 2.0.

- 1 Click **OK**. The **Tests** tab appears and shows the following information:

Bio-Rad Instrument		Lab Number	Local Instrument	
Siemens Dimension RxL		244909	RXL	

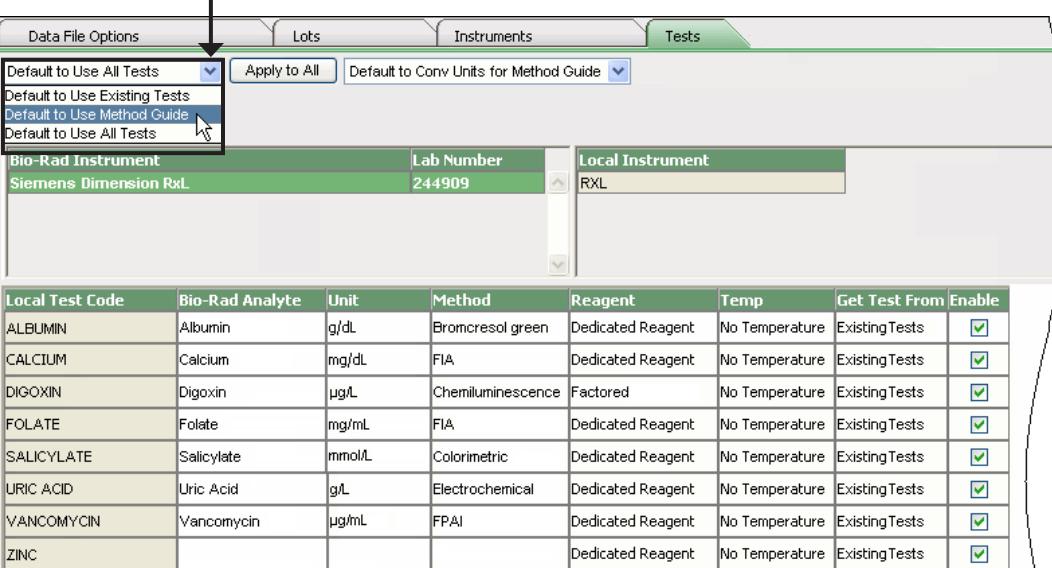
Local Test Code	Bio-Rad Analyte	Unit	Method	Reagent	Temp	Get Test From	Enable
ALBUMIN	Albumin	g/dL	Brom cresol green	Dedicated Reagent	No Temperature	Existing Tests	<input checked="" type="checkbox"/>
CALCIUM	Calcium	mg/dL	FIA	Dedicated Reagent	No Temperature	Existing Tests	<input checked="" type="checkbox"/>
DIGOXIN	Digoxin	µg/L	Chemiluminescence	Factored	No Temperature	Existing Tests	<input checked="" type="checkbox"/>
FOLATE	Folate	mg/mL	FIA	Dedicated Reagent	No Temperature	Existing Tests	<input checked="" type="checkbox"/>
SALICYLATE	Salicylate	mmol/L	Colorimetric	Dedicated Reagent	No Temperature	Existing Tests	<input checked="" type="checkbox"/>
URIC ACID	Uric Acid	g/L	Electrochemical	Dedicated Reagent	No Temperature	Existing Tests	<input checked="" type="checkbox"/>
VANCOMYCIN	Vancomycin	µg/mL	FPAI	Dedicated Reagent	No Temperature	Existing Tests	<input checked="" type="checkbox"/>
ZINC				Dedicated Reagent	No Temperature	Existing Tests	<input checked="" type="checkbox"/>

- 1 Test name in QC data file
- 2 Bio-Rad Analyte name
- 3 Tests tab
- 4 The check box in the Enable column is selected so WebConnect 2.0 processes data for each test.
- 5 Test requiring configuration

WebConnect 2.0 found the new test in the QC data file. The new instrument requires configuration to match the test name in the QC data file to the Bio-Rad analyte name.

2 Select Default to Use Method Guide.

 **Note:** Not all tests are listed in the Method Guide. If you cannot locate the test, select **Default to Use All Tests**.



Local Test Code	Bio-Rad Analyte	Unit	Method	Reagent	Temp	Get Test From	Enable
ALBUMIN	Albumin	g/dL	Bromcresol green	Dedicated Reagent	No Temperature	ExistingTests	<input checked="" type="checkbox"/>
CALCIUM	Calcium	mg/dL	FIA	Dedicated Reagent	No Temperature	ExistingTests	<input checked="" type="checkbox"/>
DIGOXIN	Digoxin	µg/L	Chemiluminescence	Factored	No Temperature	ExistingTests	<input checked="" type="checkbox"/>
FOLATE	Folate	mg/mL	FIA	Dedicated Reagent	No Temperature	ExistingTests	<input checked="" type="checkbox"/>
SALICYLATE	Salicylate	mmol/L	Colorimetric	Dedicated Reagent	No Temperature	ExistingTests	<input checked="" type="checkbox"/>
URIC ACID	Uric Acid	g/L	Electrochemical	Dedicated Reagent	No Temperature	ExistingTests	<input checked="" type="checkbox"/>
VANCOMYCIN	Vancomycin	µg/mL	FPAI	Dedicated Reagent	No Temperature	ExistingTests	<input checked="" type="checkbox"/>
ZINC				Dedicated Reagent	No Temperature	ExistingTests	<input checked="" type="checkbox"/>

3 Click **Apply to All. A message appears asking you to confirm your selection.**



4 Click **OK.**

- 5 Click in the field of the **Bio-Rad Analyte** column requiring configuration and select the Bio-Rad analyte name corresponding to the name in the **Local Test Code** column.

The screenshot shows the 'Tests' tab of the Bio-Rad Configuration interface. At the top, there are tabs for 'Data File Options', 'Lots', 'Instruments', and 'Tests'. Below these are buttons for 'Default to Use Method Guide', 'Apply to All', and 'Default to Conv Units for Method Guide'. The main area has two tables. The first table, 'Bio-Rad Instrument', shows 'Siemens Dimension RxL' and 'Lab Number 244909'. The second table, 'Local Instrument', shows 'RXL'. Below these is a larger table with columns: Local Test Code, Bio-Rad Analyte, Unit, Method, Reagent, Temp, Get Test From, and Enable. A row for 'ZINC' is selected, and its 'Bio-Rad Analyte' field is highlighted. A dropdown menu is open over this field, listing various analytes: % CDT, % Carboh, 10-Monohydroxyc, 11-Beta-OH-Andr, 11-Beta-OH-Etoct, Von Willebrand Mt, VWF Activity (Rist, VWF Ag, WBC, West Nile Virus AI, West Nile Virus AI, Zinc, Zinc SkyState Turbi, Zirconium. An arrow points from the 'ZINC' entry in the table to the 'Zinc' entry in the dropdown.

Local Test Code	Bio-Rad Analyte	Unit	Method	Reagent	Temp	Get Test From	Enable
ALBUMIN	Albumin	g/dL	Bromcresol green	Dedicated Reagent	No Temperature	Method Guide	<input checked="" type="checkbox"/>
CALCIUM	Calcium	mg/dL	FIA	Dedicated Reagent	No Temperature	Method Guide	<input checked="" type="checkbox"/>
DIGOXIN	Digoxin	µg/L	Chemiluminescence	Factored	No Temperature	Method Guide	<input checked="" type="checkbox"/>
FOLATE	Folate	mg/mL	FIA	Dedicated Reagent	No Temperature	Method Guide	<input checked="" type="checkbox"/>
SALICYLATE	Salicylate	mmol/L	Colorimetric	Dedicated Reagent	No Temperature	Method Guide	<input checked="" type="checkbox"/>
URIC ACID	Uric Acid	g/L	Electrochemical	Dedicated Reagent	No Temperature	Method Guide	<input checked="" type="checkbox"/>
VANCOMYCIN	Vancomycin	µg/mL	FPAI	Dedicated Reagent	No Temperature	Method Guide	<input checked="" type="checkbox"/>
ZINC	% CDT, % Carboh, 10-Monohydroxyc, 11-Beta-OH-Andr, 11-Beta-OH-Etoct, Von Willebrand Mt, VWF Activity (Rist, VWF Ag, WBC, West Nile Virus AI, West Nile Virus AI, Zinc, Zinc SkyState Turbi, Zirconium			Dedicated Reagent	No Temperature	Method Guide	<input checked="" type="checkbox"/>

- 6 Select the unit for the test from the **Unit** column drop-down list.

The screenshot shows the same configuration interface as the previous one, but the 'ZINC' row in the table has been modified. The 'Bio-Rad Analyte' field now contains 'Zinc'. The 'Unit' field is a dropdown menu with options: µg/dL, µg/g (PPM), µg/mL, µmol/L, mg/L, and ng/g (PPB). The 'µg/mL' option is currently selected. The rest of the table remains the same as in the previous screenshot.

Local Test Code	Bio-Rad Analyte	Unit	Method	Reagent	Temp	Get Test From	Enable
ALBUMIN	Albumin	g/dL	Bromcresol green	Dedicated Reagent	No Temperature	Method Guide	<input checked="" type="checkbox"/>
CALCIUM	Calcium	mg/dL	FIA	Dedicated Reagent	No Temperature	Method Guide	<input checked="" type="checkbox"/>
DIGOXIN	Digoxin	µg/L	Chemiluminescence	Factored	No Temperature	Method Guide	<input checked="" type="checkbox"/>
FOLATE	Folate	mg/mL	FIA	Dedicated Reagent	No Temperature	Method Guide	<input checked="" type="checkbox"/>
SALICYLATE	Salicylate	mmol/L	Colorimetric	Dedicated Reagent	No Temperature	Method Guide	<input checked="" type="checkbox"/>
URIC ACID	Uric Acid	g/L	Electrochemical	Dedicated Reagent	No Temperature	Method Guide	<input checked="" type="checkbox"/>
VANCOMYCIN	Vancomycin	µg/mL	FPAI	Dedicated Reagent	No Temperature	Method Guide	<input checked="" type="checkbox"/>
ZINC	Zinc	µg/mL		Dedicated Reagent	No Temperature	Method Guide	<input checked="" type="checkbox"/>

- 7 Select the method for the test from the drop-down list in the **Method** column.

Bio-Rad Instrument		Lab Number	Local Instrument					
Siemens Dimension RxL		244909	RXL					
Local Test Code	Bio-Rad Analyte	Unit	Method	Reagent	Temp	Get Test From	Enable	
ALBUMIN	Albumin	g/dL	Bromcresol green	Dedicated Reagent	No Temperature	Method Guide	<input checked="" type="checkbox"/>	
CALCIUM	Calcium	mg/dL	FIA	Dedicated Reagent	No Temperature	Method Guide	<input checked="" type="checkbox"/>	
DIGOXIN	Digoxin	µg/L	Chemiluminescence	Factored	No Temperature	Method Guide	<input checked="" type="checkbox"/>	
FOLATE	Folate	mg/mL	FIA	Dedicated Reagent	No Temperature	Method Guide	<input checked="" type="checkbox"/>	
SALICYLATE	Salicylate	mmol/L	Colorimetric	Dedicated Reagent	No Temperature	Method Guide	<input checked="" type="checkbox"/>	
URIC ACID	Uric Acid	g/L	Electrochemical	Dedicated Reagent	No Temperature	Method Guide	<input checked="" type="checkbox"/>	
VANCOMYCIN	Vancomycin	µg/mL	FPAI	Dedicated Reagent	No Temperature	Method Guide	<input checked="" type="checkbox"/>	
ZINC	Zinc	µg/mL	Colorimetric	Dedicated Reagent	No Temperature	Method Guide	<input checked="" type="checkbox"/>	

- 8 Select the reagent for the test from the drop-down list in the **Reagent** column.

Bio-Rad Instrument		Lab Number	Local Instrument					
Siemens Dimension RxL		244909	RXL					
Local Test Code	Bio-Rad Analyte	Unit	Method	Reagent	Temp	Get Test From	Enable	
ALBUMIN	Albumin	g/dL	Bromcresol green	Dedicated Reagent	No Temperature	Method Guide	<input checked="" type="checkbox"/>	
CALCIUM	Calcium	mg/dL	FIA	Dedicated Reagent	No Temperature	Method Guide	<input checked="" type="checkbox"/>	
DIGOXIN	Digoxin	µg/L	Chemiluminescence	Factored	No Temperature	Method Guide	<input checked="" type="checkbox"/>	
FOLATE	Folate	mg/mL	FIA	Dedicated Reagent	No Temperature	Method Guide	<input checked="" type="checkbox"/>	
SALICYLATE	Salicylate	mmol/L	Colorimetric	Dedicated Reagent	No Temperature	Method Guide	<input checked="" type="checkbox"/>	
URIC ACID	Uric Acid	g/L	Electrochemical	Dedicated Reagent	No Temperature	Method Guide	<input checked="" type="checkbox"/>	
VANCOMYCIN	Vancomycin	µg/mL	FPAI	Dedicated Reagent	No Temperature	Method Guide	<input checked="" type="checkbox"/>	
ZINC	Zinc	µg/mL	Colorimetric	Dedicated Reagent	No Temperature	Method Guide	<input checked="" type="checkbox"/>	

- 9 Select the temperature for the test from the drop-down list in the **Temperature** column.

The screenshot shows the 'Tests' tab of the Bio-Rad Test Configuration interface. At the top, there are buttons for 'Data File Options', 'Lots', 'Instruments', and 'Tests'. Below these are dropdown menus for 'Default to Use Method Guide' and 'Default to Conv Units for Method Guide'. The main area displays a table with two rows: 'Bio-Rad Instrument' (Siemens Dimension RxL) and 'Lab Number' (244909), followed by 'Local Instrument' (RXL). Below this is a larger table with columns: Local Test Code, Bio-Rad Analyte, Unit, Method, Reagent, Temp, Get Test From, and Enable. The 'Temp' column for the Vancomycin row is highlighted with a dropdown arrow pointing down to a menu with the option 'No Temperature' selected.

Bio-Rad Instrument		Lab Number	Local Instrument				
Siemens Dimension RxL		244909	RXL				
Local Test Code	Bio-Rad Analyte	Unit	Method	Reagent	Temp	Get Test From	Enable
ALBUMIN	Albumin	g/dL	Bromcresol green	Dedicated Reagent	No Temperature	Method Guide	<input checked="" type="checkbox"/>
CALCIUM	Calcium	mg/dL	FIA	Dedicated Reagent	No Temperature	Method Guide	<input checked="" type="checkbox"/>
DIGOXIN	Digoxin	µg/L	Chemiluminescence	Factored	No Temperature	Method Guide	<input checked="" type="checkbox"/>
FOLATE	Folate	mg/mL	FIA	Dedicated Reagent	No Temperature	Method Guide	<input checked="" type="checkbox"/>
SALICYLATE	Salicylate	mmol/L	Colorimetric	Dedicated Reagent	No Temperature	Method Guide	<input checked="" type="checkbox"/>
URIC ACID	Uric Acid	g/L	Electrochemical	Dedicated Reagent	No Temperature	Method Guide	<input checked="" type="checkbox"/>
VANCOMYCIN	Vancomycin	µg/mL	FPAI	Dedicated Reagent	No Temperature	Method Guide	<input checked="" type="checkbox"/>
ZINC	Zinc	µg/mL	Colorimetric	Dedicated Reagent	No Temperature	Method Guide	<input checked="" type="checkbox"/>



Note: Temperature applies to enzymes only. For all other analytes, **No Temperature** is the only available option.

- 10 Make sure the **Enable** check box is selected for WebConnect 2.0 to process data for the test.



Important: Click the **Enable** check box to clear it and WebConnect 2.0 will exclude the test when transforming. DO NOT delete the row.

- 11 Click **Save**.

- 12 Click **Close**. WebConnect 2.0 now has the information needed to transform data.

A message indicates transformation is complete.

The screenshot shows the 'Transformer' tab of the WebConnect 2.0 interface. The top navigation bar includes 'Configure', 'Data Entry' (which is selected), 'Review', 'Charts', 'Reports', 'Advisors', and 'Tools'. Below the navigation bar are links for 'Single Test Point Data Entry', 'Single Test Summary Data Entry', 'Multi Test Point Data Entry', 'Multi Test Summary Data Entry', 'WebConnect™', 'WebConnect™ Home', 'WebConnect™ History', 'WebConnect™ Transformer', 'WebConnect™ Rejection Log', and 'WebConnect™ File Import Monitor'. The main area contains fields for 'Select a transformer' (Universal Flex File Transformer v3.7), 'Beginning Date' (radio buttons for 'Specific Date' and 'First Point In File'), 'Ending Date' (radio buttons for 'Specific Date' and 'Last Point In File'), 'Submit Data File' (text input field 'qcdatafile_may_01.txt' with a 'Browse...' button), and a 'Go' button. Below these fields is a 'Notes:' section containing a message: 'Transformed a total of 13073 data records. Data was passed to Import utility. Please check back later to see if any data was rejected.' An arrow points to this message.

- 13 Read the information in the **Notes** section carefully and note the number of data records transformed.



Important: Configuring the new QC item is a one-time process. Once the new item is configured, WebConnect 2.0 recognizes the item for all future transformations.

WebConnect 2.0 Rejection Log

In This Chapter

Overview of the Rejection Log	88
Viewing the Rejection Log	89
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WebConnect 2.0 History	102

Overview of the Rejection Log

Rejected data is transformed data that was not imported into UnityWeb 2.0. The **Rejection Log** shows the details of all rejected data and provides a description about why the data was rejected.



Important: The **Rejection Log** does not show data rejected due to an SPC rule violation, but rather only transformed data that was not imported into UnityWeb 2.0.

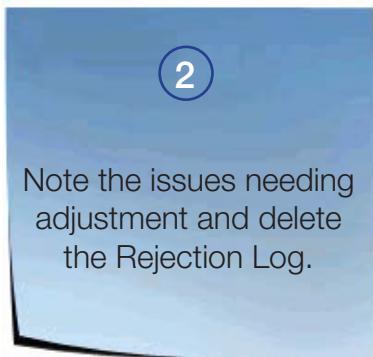
In most cases of rejected data, no action is required. However, in some instances an error message is an indication that configuration adjustments are required. Once the configuration adjustments are made, the QC data file must be transformed again.

This chapter provides information on how to review the **Rejection Log** and determine the appropriate action based on the error message.

Rejection Log



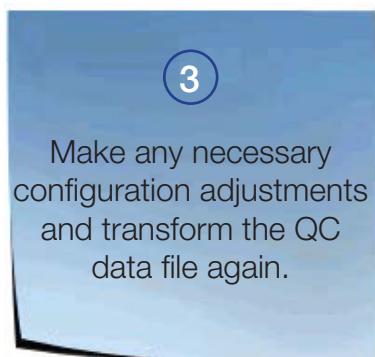
See **Viewing the Rejection Log** on page 89.



2
Note the issues needing adjustment and delete the Rejection Log.



See **Deleting the Rejection Log** on page 91.



3
Make any necessary configuration adjustments and transform the QC data file again.



See **Rejection Log Messages** on .

Viewing the Rejection Log



Tip: Best practice indicates review of the **Rejection Log** by error type after each transformation.

1 Click WebConnect Rejection Log.



Note: The **End Entered Date** defaults to the current date. The **Start Entered Date** is exactly one year earlier. You typically do not need to change these dates.

- 2** Click the arrows located to the right of the **Start Entered Date** and/or **End Entered Date** to select another date range to view.
- 3** Select the type of error from the **Error** list.



Tip: It is easiest to view the **Rejection Log** by each error type if the **Rejection Log** contains a large amount of information.

- 4** Select a lab number from the **Lab Number** list or select **All**.
- 5** Select a lot number from the **Lot Number** list or select **All**.
- 6** Select an instrument from the **Instrument** list or select **All**.
- 7** Select an analyte from the **Analyte** list or select **All**.

- 8 Select a file name from the **File Name** list or select **All**.
 - 9 Click **Reload** to refresh the **Rejection Log** and view your selected data.

The **Rejection Log** appears according to the criteria you selected.

- 10 Review the **Rejection Log** paying special attention to the **Error** column. The **Error** column indicates why the data was not imported. The error type should match the criteria you selected in step 4.



Note: See **Rejection Log Messages** on page 128 for a description of the message and information about resolving the message.

Screenshot of the WebConnect 2.0 software interface showing the Rejection Log screen. The interface includes a menu bar with 'Configure', 'Data Entry', 'Review', 'Charts', 'Reports', 'Advisors', and 'Tools'. Below the menu is a navigation bar with links to 'Single Test Point Data Entry', 'Single Test Summary Data Entry', 'Multi Test Point Data Entry', 'Multi Test Summary Data Entry', 'WebConnect™', 'WebConnect™ Home', 'WebConnect™ History', 'WebConnect™ Transformer', 'WebConnect™ Rejection Log', and 'WebConnect™ File Import Monitor'. The main area is titled 'Rejection Log Selections' and contains search fields for 'Start Entered Date' (4/30/2007), 'Lab Number' (All), 'Analyte' (All), 'End Entered Date' (4/30/2008), 'Lot Number' (All), 'File Name' (All), 'Error' (All), and 'Instrument' (All). Buttons for 'Reload' and 'Delete' are also present. Below this is a section titled 'Rejection Log Details' with detailed log entries for a single record. An arrow points from the 'Comments' field down to the data grid. A red banner at the bottom of the grid states '200 records of total 6987 records are displayed in the grid.' The data grid has columns: Entered Date, Error, Lab Number, Lot, Level, Instrument, Analyte, Unit, Method, and Reagent. The 'Entered Date' column shows multiple entries of 4/30/2008 3:06:47 PM. The 'Error' column shows 'Date out of sequence' for all rows. The 'Lab Number' column shows 329424. The 'Instrument' column shows Siemens ADVIA 1650. The 'Analyte' column shows Carbamazepine (Tegretol). The 'Unit' column shows µg/mL. The 'Method' column shows Immunoturbidimetric. The 'Reagent' column shows Dedicated Reagent.

Entered Date	Error	Lab Number	Lot	Level	Instrument	Analyte	Unit	Method	Reagent
4/30/2008 3:06:47 PM	Date out of sequence	329424	23000:Assayed Chemistry	1	Siemens ADVIA 1650	Carbamazepine (Tegretol)	µg/mL	Immunoturbidimetric	Dedicated Reagent
4/30/2008 3:06:47 PM	Date out of sequence	329424	23000:Assayed Chemistry	2	Siemens ADVIA 1650	Carbamazepine (Tegretol)	µg/mL	Immunoturbidimetric	Dedicated Reagent
4/30/2008 3:06:47 PM	Date out of sequence	329424	23000:Assayed Chemistry	3	Siemens ADVIA 1650	Carbamazepine (Tegretol)	µg/mL	Immunoturbidimetric	Dedicated Reagent
4/30/2008 3:06:47 PM	Date out of sequence	329424	23000:Assayed Chemistry	1	Siemens ADVIA 1650	Carbamazepine (Tegretol)	µg/mL	Immunoturbidimetric	Dedicated Reagent
4/30/2008 3:06:47 PM	Date out of sequence	329424	23000:Assayed Chemistry	2	Siemens ADVIA 1650	Carbamazepine (Tegretol)	µg/mL	Immunoturbidimetric	Dedicated Reagent
4/30/2008 3:06:47 PM	Date out of sequence	329424	23000:Assayed Chemistry	3	Siemens ADVIA 1650	Carbamazepine (Tegretol)	µg/mL	Immunoturbidimetric	Dedicated Reagent
4/30/2008 3:06:47 PM	Date out of sequence	329424	23000:Assayed Chemistry	1	Siemens ADVIA 1650	Carbamazepine (Tegretol)	µg/mL	Immunoturbidimetric	Dedicated Reagent
4/30/2008 3:06:47 PM	Date out of sequence	329424	23000:Assayed Chemistry	3	Siemens ADVIA 1650	Carbamazepine (Tegretol)	µg/mL	Immunoturbidimetric	Dedicated Reagent
4/30/2008 3:06:47 PM	Date out of sequence	329424	23000:Assayed Chemistry	1	Siemens ADVIA 1650	Carbamazepine (Tegretol)	µg/mL	Immunoturbidimetric	Dedicated Reagent

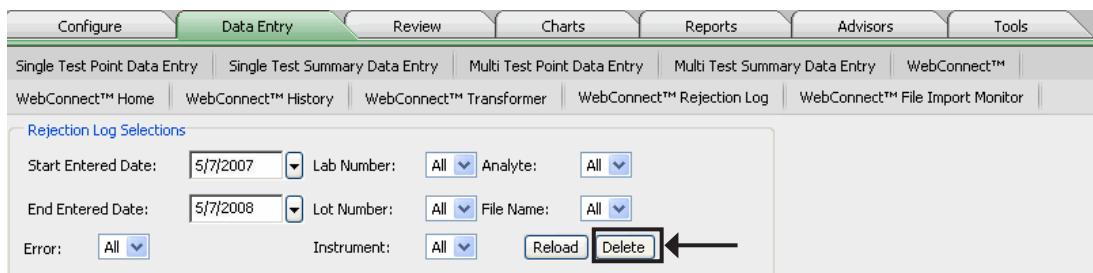
Deleting the Rejection Log



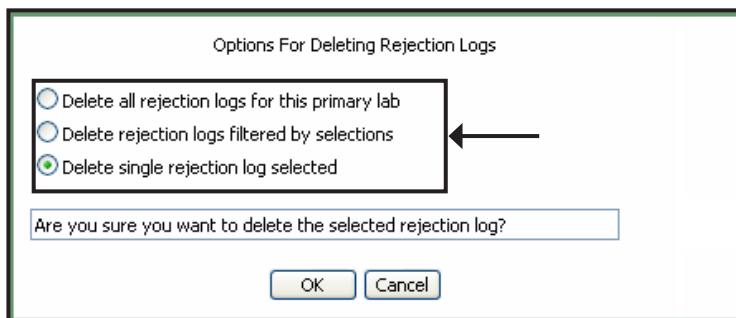
Tip: Best practice suggests noting the issues that need adjustment and then deleting the **Rejection Log**.

Bio-Rad recommends deleting the **Rejection Log** after each review to eliminate confusion.

1 Click Delete.



2 Select from the Options for Deleting Rejection Logs.



The three options are:

- Delete all rejection logs for this primary lab
- Delete rejection logs filtered by selections.
- Delete single rejection log selected.

3 Click OK.

Rejection Log Messages

The following are common **Rejection Log** messages. See the appropriate section for a description of the message and information about resolving the message.

- Create new tests if necessary is disabled (see page 129)
- Data entry locked for this test (see page 130)
- Date out of sequence (see page 131)
- Lab closed (see page 134)
- Lot closed (see page 135)
- Lot expired (see page 136)

- Lot number undefined (see page 137)
- Result invalid (see page 140)
- Time out of sequence (see page 141)

Error: Create new tests if necessary is disabled



Important: Remember, you have already noted the necessary configuration adjustments and deleted the **Rejection Log**.

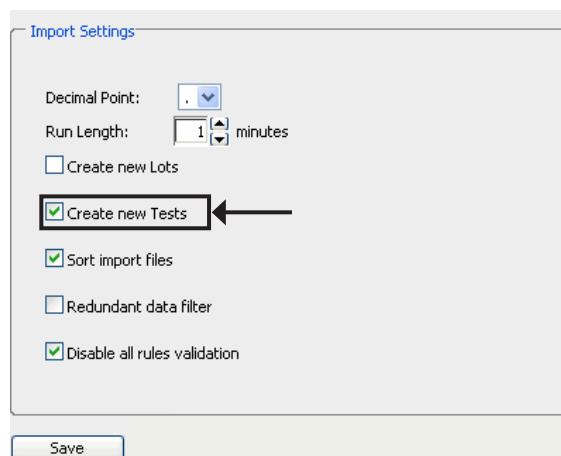
Description

The **Create new Tests** check box is not selected. WebConnect 2.0 is not able to create the new test in UnityWeb 2.0 so the associated data cannot be imported.

Solution

Make sure the **Create new Tests** check box is selected in the **Import Settings**.

- 1 Click the **Tools** tab.
- 2 Click **Utilities**.
- 3 Click **Import Settings**.
- 4 Select the **Create new Tests** check box.



- 5 Click **Save**.
- 6 Transform the QC data file again. Data that was not imported during the first import now imports into UnityWeb 2.0.
- 7 Review the **Rejection Log**. If the **Redundant** data filter check box is not selected in the **Import Settings**, any data imported during the first transformation is rejected and appears in the **Rejection Log** as a **Data out of sequence** error.
- 8 Delete the **Rejection Log**.

Error: Data entry locked for this test



Important: Remember, you have already noted the necessary configuration adjustments and deleted the **Rejection Log**.

Description

WebConnect 2.0 is not able to import data for a test when the **Data Entry** dialog box is being accessed by a concurrent user of UnityWeb 2.0.

Solution

Wait until the **Data Entry** dialog box is not being accessed by another user.

- 1 Transform the QC data file again. Data that was not imported during the first import now imports into UnityWeb 2.0.
- 2 Review the **Rejection Log**. If the **Redundant data filter** check box is not selected in the **Import Settings**, any data imported during the first transformation is rejected and appears in the **Rejection Log** as a **Data out of sequence** error.
- 3 Delete the **Rejection Log**.

Error: Date out of sequence



Important: Remember, you have already noted the necessary configuration adjustments and deleted the **Rejection Log**.

Description

This error occurs when you attempt to import data into UnityWeb 2.0 out of chronological order. You can only import data with a testing date **after** the last date of data already in UnityWeb 2.0. You cannot import data retroactively if data has already been imported for a later date.

Example

You had a problem with your QC data on April 15, 16, and 17. In attempting to investigate the issue, you transformed a QC data file containing QC data for those three days (only) and WebConnect 2.0 automatically imported the data into UnityWeb 2.0.

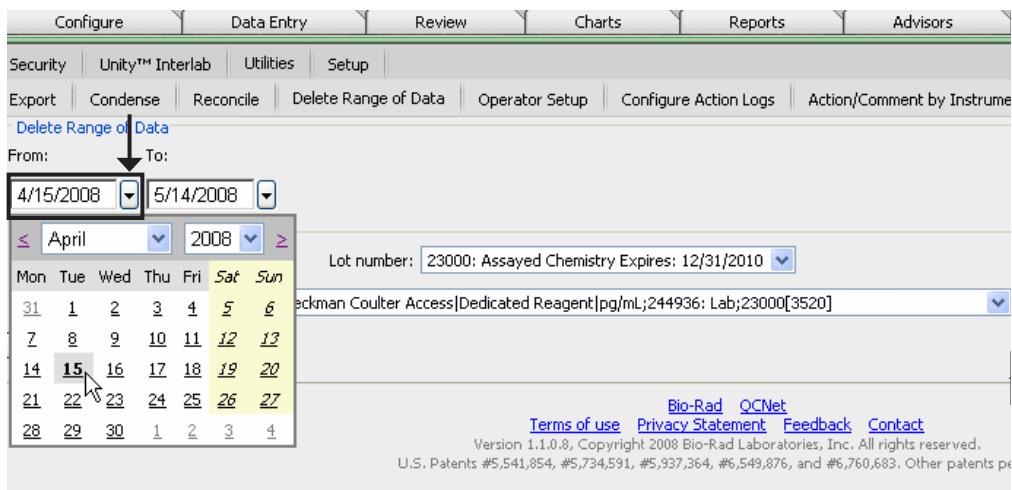
On April 30 you transformed a QC data file containing **all** QC data for the month of April.

- All data points from April 1 through April 14 were rejected with a **Date out of sequence** error.
- Since data for April 15, 16, and 17 already exists, those data points were rejected as **Redundant data**.
- All data points from April 18–30 imported successfully.

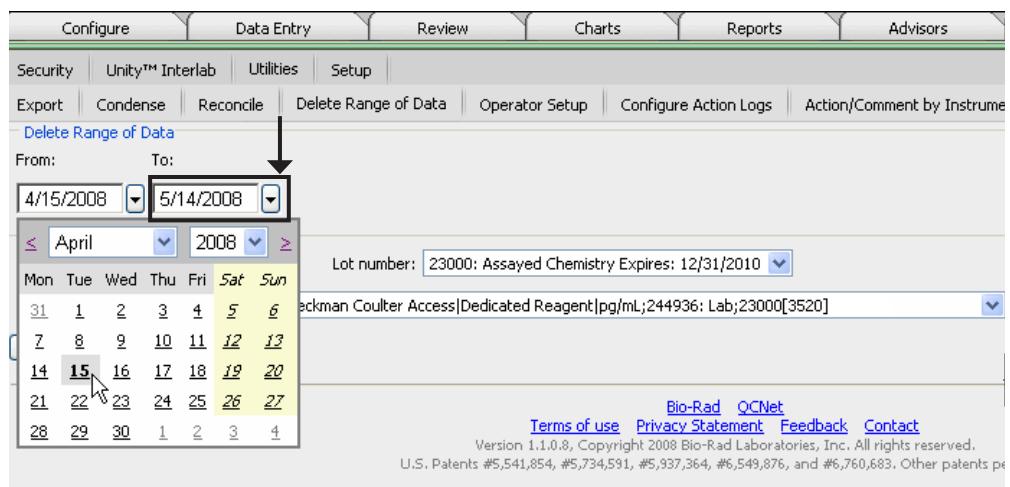
Solution

In order to import data points from April 1 through April 14, use the **Delete Range of Data** feature to delete data from April 15–30 before transforming the entire QC data file for April again.

- 1 Click the **Tools** tab.
- 2 Click **Utilities**.
- 3 Click **Delete Range of Data**.
- 4 Click the drop-down arrow on the right-hand side of the **From** date field and select the beginning date for the range of data.



- 5 Click the drop-down arrow on the right-hand side of the **To** date field and select the ending date for the range of data.



- 6 Select the lab number from the **Lab** number list.
- 7 Select the lot number from the **Lot** number list.

- 8 Select the test from the **Test** list.
- 9 Click **OK**. A message appears asking for confirmation of the data deletion.



Important: Extreme caution should be used when using the **Delete Range of Data** feature, as deleting a range of data permanently removes the data from the software.

- 10 Click **OK**.
- 11 Transform the QC data file again. Data that was left out of the first import now imports into UnityWeb 2.0.
- 12 Review the **Rejection Log**. If the **Redundant data filter** check box is not selected in the **Import Settings**, any data imported during the first transformation is rejected and appears in the **Rejection Log** as a **Data out of sequence** error.
- 13 Delete the **Rejection Log**.

Error: Lab closed



Important: Remember, you have already noted the necessary configuration adjustments and deleted the **Rejection Log**.

Description

The lab number corresponding to the data is closed in UnityWeb 2.0.

Solution

You cannot import data into UnityWeb 2.0 for a closed lab. Open the lab number in UnityWeb 2.0.

- 1 Click the **Configure** tab.
- 2 Click **Lab**.
- 3 Select the lab you want to open in the **Closed** labs list.
- 4 Click **Open**. The lab number moves to the bottom of the **Open labs** list.
- 5 Transform the QC data file again. Data that was left out of the first import now imports into UnityWeb 2.0.
- 6 Review the **Rejection Log**. If the **Redundant** data filter check box is not selected in the **Import Settings**, any data imported during the first transformation is rejected and appears in the **Rejection Log** as a **Data out of sequence** error.
- 7 Delete the **Rejection Log**.

Error: Lot closed



Important: Remember, you have already noted the necessary configuration adjustments and deleted the **Rejection Log**.

Description

The lot number corresponding to the data is closed in UnityWeb 2.0.

Solution

You cannot import data into UnityWeb 2.0 for a closed lot . Open the lot number in UnityWeb 2.0.

- 1 Click the **Configure** tab.
- 2 Click **Lot**.
- 3 Make sure the correct number appears in the **Lab Number** list if you have more than one lab number.
- 4 Select the lot you want to open in the **Closed lots** list.
- 5 Click **Open Lot**. The lot moves to the bottom of the **Open lots** list.
- 6 Transform the QC data file again. Data that was left out of the first import now imports into UnityWeb 2.0.
- 7 Review the **Rejection Log**. If the **Redundant data filter** check box is **not** selected in the **Import Settings**, any data imported during the first transformation is rejected and appears in the **Rejection Log** as a **Data out of sequence** error.
- 8 Delete the **Rejection Log**.

Error: Lot expired



Important: Remember, you have already noted the necessary configuration adjustments and deleted the **Rejection Log**.

Description

The lot number corresponding to the data is expired in UnityWeb 2.0.

Solution

You cannot import data into UnityWeb 2.0 for an expired lot. No further action is required.



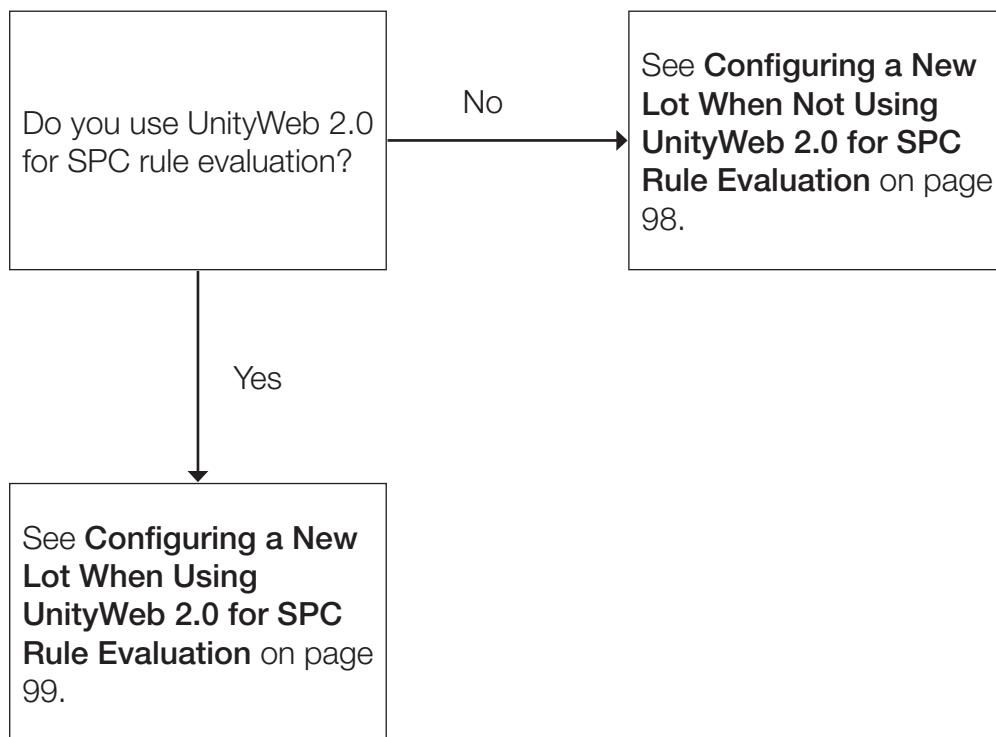
Important: Remember, you have already noted the necessary configuration adjustments and deleted the **Rejection Log**.

Description

You have configured a lot in WebConnect 2.0 using the **Default to All Lots** option, and the **Create new lots** check box is not selected in the **Import Settings**.

Solution

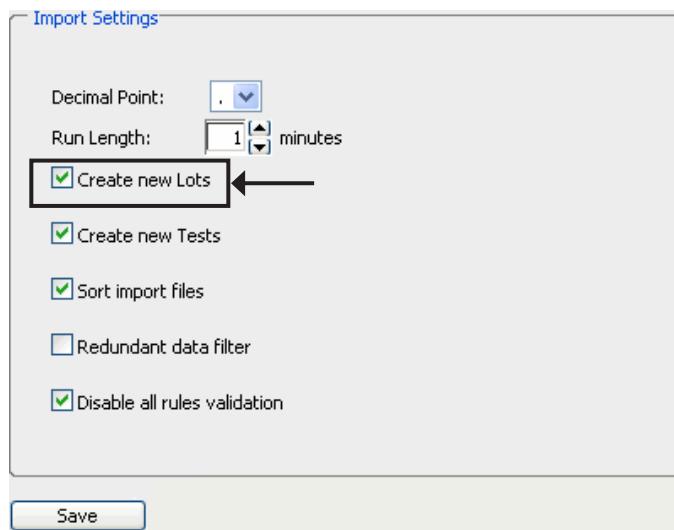
The solution to this error depends on your use of UnityWeb 2.0 for SPC rule evaluation.



Configuring a New Lot When Not Using UnityWeb 2.0 for SPC Rule Evaluation

- 1 Click the **Tools** tab.
- 2 Click **Utilities**.
- 3 Click **Import Settings**.

- 4 Make sure the **Create new Lots** check box is selected.



- 5 Click **Save**.
- 6 Transform the QC data file again. Data that was left out of the first import now imports into UnityWeb 2.0.
- 7 Review the **Rejection Log**. If the **Redundant data filter** check box is **not** selected in the **Import Settings**, any data imported during the first transformation is rejected and appears in the **Rejection Log** as a **Data out of sequence** error.
- 8 Delete the **Rejection Log**.

Configuring a New Lot When Using UnityWeb 2.0 for SPC Rule Evaluation

- 1 Click the **Configure** tab.
- 2 Click **Lot**.
- 3 Make sure the correct number appears in the **Lab Number** list if you have more than one lab number.
- 4 Select the lot number to duplicate in the **Open lots** list.
- 5 Click **Duplicate**.
- 6 Select the new lot number from the **New lot number** list.



Note: Only unexpired lot numbers in the same product group appear in the **Lot Number** list.

- 7 Click **OK**. The new lot number appears at the bottom of the **Open lots** list.
- 8 Transform the QC data file again. Data that was left out of the first import now imports into UnityWeb 2.0.
- 9 Review the **Rejection Log**. If the **Redundant data filter** check box is **not** selected in the **Import Settings**, any data imported during the first transformation is rejected and appears in the **Rejection Log** as a **Data out of sequence** error.
- 10 Delete the **Rejection Log**.

Error: Result invalid



Important: Remember, you have already noted the necessary configuration adjustments and deleted the **Rejection Log**.

Description

You cannot import data with a negative value or a value of zero into UnityWeb 2.0. The value (mean, standard deviation, and number of points) must be a valid numeric character. Non-numeric characters are not allowed. Negative numbers and values of zero are not valid (except in the case of the standard deviation).

Solution

If the value is not a true zero but a value being rounded to zero, increase the number of decimal places reported for the test.

- 1 Click the **Configure** tab.
- 2 Click **Rules/Settings**.
- 3 Click the **Settings** tab.
- 4 Increase the decimal places setting for each level as needed.
- 5 Click **Save**.
- 6 Transform the QC data file again. Data that was left out of the first import now imports into UnityWeb 2.0.
- 7 Review the **Rejection Log**. If the **Redundant data filter** check box is **not** selected in the **Import Settings**, any data imported during the first transformation is rejected and appears in the **Rejection Log** as a **Data out of sequence** error.
- 8 Delete the **Rejection Log**.

Error: Time out of sequence



Important: Remember, you have already noted the necessary configuration adjustments and deleted the **Rejection Log**.

Description

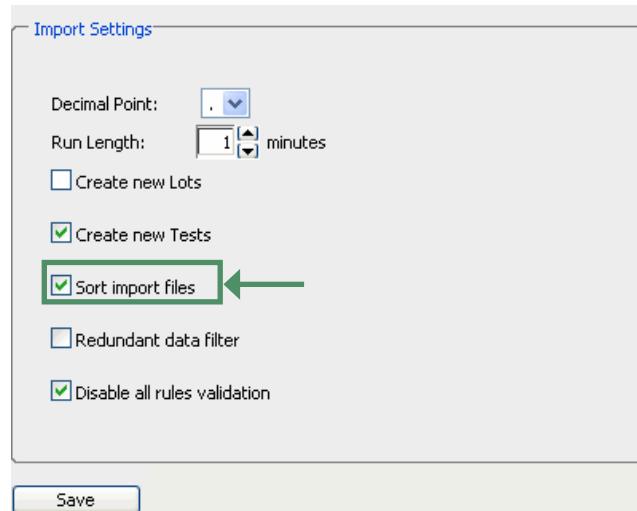
The data in the QC data file is not in sequential order, and the **Sort import files** check box is not selected in the **Import Settings**.

Solution

Files must be in sequential order for the data to be imported. Make sure the **Sort import files** check box is selected in the **Import Settings**.

- 1 Click the **Tools** tab.
- 2 Click **Utilities**.

- 3 Click **Import Settings**.
- 4 Select the **Sort import files** check box.



- 5 Click **Save**.
- 6 Transform the QC data file again. Data that was left out of the first import now imports into UnityWeb 2.0.
- 7 Review the **Rejection Log**. If the **Redundant data filter** check box is **not** selected in the **Import Settings**, any data imported during the first transformation is rejected and appears in the **Rejection Log** as a **Data out of sequence** error.
- 8 Delete the **Rejection Log**.

WebConnect 2.0 History

The **WebConnect 2.0 History** shows information about transformations, regardless of whether the transformation was completed or incomplete due to errors.

- 1 Click the **Data Entry** tab.
- 2 Click **WebConnect**.
- 3 Click **WebConnect History**.
- 4 The following dialog box appears.

Client Data File	Length	Uploaded Date	Process Completed	Status	Run	Delete
meditech118v_01_2008.txt	74766	5/5/2008 2:52:07 PM	5/5/2008 2:52:08 PM	Transformed	Run	Delete
meditech118v_01_2008.txt	74766	4/1/2008 12:57:44 PM	4/1/2008 1:04:59 PM	Transformed	Run	Delete
meditech118v_01_2008.txt	74766	4/1/2008 12:43:19 PM	4/1/2008 12:46:35 PM	Transformed	Run	Delete
meditech118v_01_2008.txt	74766	4/1/2008 9:59:43 AM	4/1/2008 9:59:44 AM	Transformed	Run	Delete
meditech118v_01_2008.txt	74766	4/1/2008 9:53:35 AM	4/1/2008 9:53:36 AM	Transformed	Run	Delete
meditech118v_01_2008v2.txt	74766	4/1/2008 9:42:46 AM	4/1/2008 9:42:49 AM	Transformed	Run	Delete
meditech118v_01_2008.txt	74766	4/1/2008 9:37:27 AM	4/1/2008 9:37:28 AM	Transformed	Run	Delete
meditech118v_01_2008.txt	74766	4/1/2008 9:32:27 AM	4/1/2008 9:32:28 AM	Transformed	Run	Delete
meditech118v_01_2008_v1.txt	74766	4/1/2008 9:30:01 AM	4/1/2008 9:30:02 AM	Transformed	Run	Delete
meditech118v_01_2008_v1.txt	74766	4/1/2008 9:27:39 AM	4/1/2008 9:29:38 AM	No Data	Run	Delete
meditech118v_01_2008_v1.txt	74766	4/1/2008 9:21:15 AM	4/1/2008 9:25:08 AM	No Data	Run	Delete
meditech118v_01_2008_v1.txt	74766	4/1/2008 9:19:18 AM	4/1/2008 9:19:19 AM	No Data	Run	Delete
meditech118v_01_2008_v1.txt	74766	4/1/2008 9:11:07 AM	4/1/2008 9:11:49 AM	No Data	Run	Delete

1 Transformer

The current transformer for the historical WebConnect™ 2.0 information.

2 Year

The current year for the historical WebConnect™ 2.0 information.

3 Client Data File

The name of the QC data file transformed.

4 Length

The size of the transformed QC data file, in bytes.

5 Uploaded Date

The date and time the WebConnect 2.0 transformation began.

6 Process Completed

The date and time the WebConnect 2.0 transformation completed.

7 Status

The status of the transformation.

8 Run

Click the **Run** link to transform (re-process) the QC data file.

9 Delete

Click the **Delete** link to delete the historical record.

VITROS Slide Generation Numbers and WebConnect 2.0

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Overview



Important: The VITROS ECi does not use slide generation numbers. Therefore, the information in this chapter does not pertain to the VITROS ECi instrument.

Slide Generation Number Decision Chart

Use the following chart as a guide for determining slide generation numbers in WebConnect 2.0.

VITROS Instrument Type	Uses slide generation numbers?	Slide gen numbers located in QC data file?	Manual setup of slide generation numbers in WebConnect 2.0 required?
VITROS ECi	N/A	N/A	N/A
VITROS Fusion 5,1 with WebConnect 2.0 Instrument Transformer	Yes	Yes	No
VITROS Fusion 5,1 with WebConnect 2.0 LIS Transformer	Yes	No	Yes
VITROS® 250	Yes	No	Yes
VITROS® 750	Yes	No	Yes
VITROS® 950	Yes	No	Yes

With the exception of the VITROS Fusion 5,1 using a WebConnect 2.0 instrument transformer, QC data files do not contain information about VITROS slide generation numbers, and WebConnect 2.0 cannot automatically prompt you to update or add slide generation numbers.

Therefore, all slide generation number changes must be made manually in WebConnect 2.0 before transforming data. If the slide generation number is not updated in WebConnect 2.0 before transforming data, the data for the new slidegeneration number is reported on an incorrect slide generation number.

Slide generation numbers are automatically updated in UnityWeb 2.0 and WebConnect 2.0 if you are using a VITROS Fusion 5,1 with a WebConnect 2.0 instrument transformer. Therefore, you do not need to manually change slide generation numbers in WebConnect 2.0.



Note: The VITROS Fusion 5,1 can use both dry tests and wet tests. As a general rule, dry tests have slide generation numbers but wet tests do not.

Example Config Gens Tab

The **Config Gens** tab contains information about slide generation numbers manually set up in WebConnect 2.0.

Important: This chapter applies only to certain customers. Please refer to the **Slide Generation Number Decision Chart** on page 146 to determine if your circumstances require manual set up of slide generation numbers in WebConnect 2.0.

Bio-Rad Instrument 1	Lab Number
VITROS 950IRC	244909
VITROS 950IRC	244936

Local Instrument 2
VITROS A

Bio-Rad Analyte 3
Albumin
Ethanol (Alcohol)
Alkaline Phosphatase
ALT (ALAT/GPT)
Amylase
AST (ASAT/GOT)
Bilirubin, Total/TBIL
Calcium

Start Date 4	Gen 5	Lot 6
2007-11-19 17:03:22	2	All Lots
2007-06-01 07:12:00	45	All Lots

1 Bio-Rad Instrument and Lab Number

The **Bio-Rad Instrument** and corresponding **Lab Number** using slide generation numbers as defined on the **Instruments** tab. If more than one instrument is in this list, click the **Bio-Rad Instrument** or **Lab Number** to view the related **Local Instrument**, **Bio-Rad Analyte**, **Start Date**, **Gen**, and **Lot** information for the instrument.

2 Local Instrument

The instrument designation in the QC data file.

3 Bio-Rad Analyte

The corresponding Bio-Rad analyte names for the tests configured for the selected instrument.

4 Start Date

The date and time the slide generation number was first used.

5 Gen

The current slide generation number.

6 Lot

The lot number associated with the current slide generation number.

7 Config Gens tab

The Config Gens tab is the last tab on the right.

Best Practices—Manage Manual VITROS Slide Generation Changes



Important: The Unity Interlaboratory Program uses the VITROS slide generation numbers to determine the consensus group. Make sure the VITROS slide generation number is correct for each test to ensure accurate Unity Interlaboratory Reports.

It is important to establish a regular process for tracking slide generation numbers. Use the **Slide Generation Worksheet** on page 112 or a similar process to track the VITROS slide generation numbers.

Managing Slide Generation Numbers in WebConnect 2.0



Important: This chapter applies only to certain customers. Please refer to the **Slide Generation Number Decision Chart** on page 105 to determine if your circumstances require manual changing of slide generation numbers in WebConnect 2.0.

All slide generation changes must be made manually in WebConnect 2.0 before transforming data. If the slide generation number is not updated in WebConnect 2.0 before transforming data, the data for the new slide generation number is reported on an incorrect slide generation number.

Each test setup is an individual combination of test items. Therefore, when you change to a new slide generation number, you create a new test.

- 1 Click the **Data Entry** tab.
- 2 Click **WebConnect Home**.
- 3 Select the appropriate transformer from the **Select a transformer** list.
- 4 Click **Configure**.
- 5 Click the **Config Gens** tab.

- 6 Click the **Bio-Rad Instrument** or **Lab Number** located on the upper left with the slide generation number to change.

The screenshot shows the 'Config Gens' dialog box. At the top, there are tabs for 'Data File Options', 'Lots', 'Special Cases', 'Instruments', 'Tests', and 'Config Gens'. The 'Config Gens' tab is selected. On the left, there are two columns: 'Bio-Rad Instrument' (containing 'VITROS 950IRC' and 'VITROS 950IRC') and 'Lab Number' (containing '244909' and '244936'). A green arrow points from the text 'Click the Bio-Rad Instrument or Lab Number located on the upper left with the slide generation number to change.' to the 'Bio-Rad Instrument' column. Another green arrow points to the 'Lots' tab at the top. On the right, there is a 'Local Instrument' dropdown set to 'VITROS A', and a 'Start Date' table with the entry '2007-11-19 17:03:22 | Gen 2 | Lot All Lots'. On the far right, there are buttons for 'Add', 'Delete', 'Save', 'Cancel', 'Close', 'Print', and 'Help'.

- 7 The tests for the instrument or lab number you selected appear in the **Bio-Rad Analyte** column.

This screenshot is identical to the one above, showing the 'Config Gens' dialog box. It has the same tabs, data entries, and layout. A green arrow points from the text 'The tests for the instrument or lab number you selected appear in the Bio-Rad Analyte column.' to the 'Bio-Rad Analyte' column on the left.

- 8 Click the test in the **Bio-Rad Analyte** column for which you want to change the slide generation number.



Tip: The selected test appears highlighted in a green row.

The slide generation number details for the test appear.

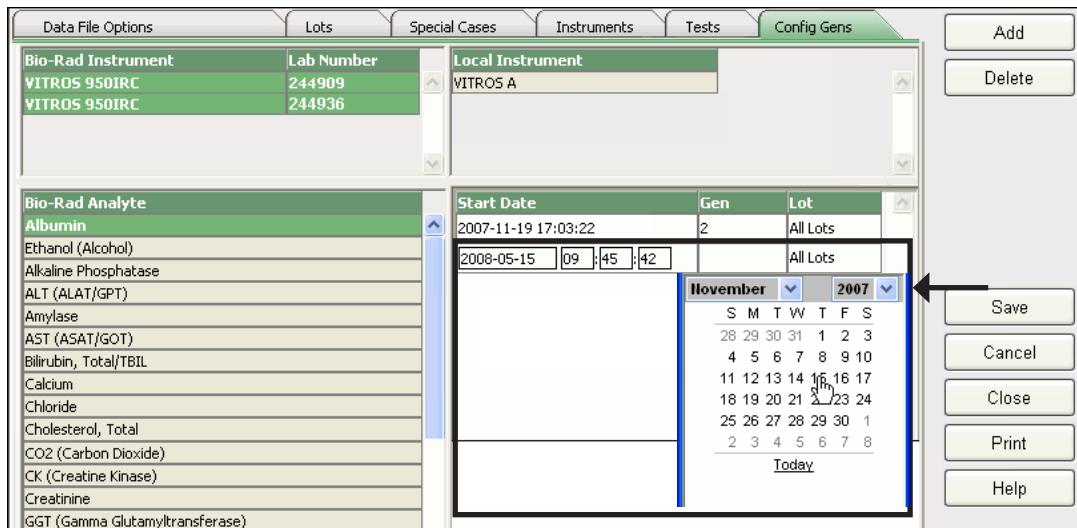
Data File Options		Lots	Special Cases	Instruments	Tests	Config Gens
Bio-Rad Instrument	Lab Number					
VITROS 950IRC	244909					
VITROS 950IRC	244936					
Bio-Rad Analyte						
Albumin						
Ethanol (Alcohol)						
Alkaline Phosphatase						
ALT (ALAT/GPT)						
Amylase						
AST (ASAT/GOT)						
Bilirubin, Total/TBIL						
Calcium						
Chloride						
Cholesterol, Total						
CO ₂ (Carbon Dioxide)						
CK (Creatine Kinase)						
Creatinine						
GGT (Gamma Glutamyltransferase)						
Start Date		Gen	Lot			
2007-11-19 17:03:22		2	All Lots			

- 9 Click **Add**. A new row is added for the new slide generation number

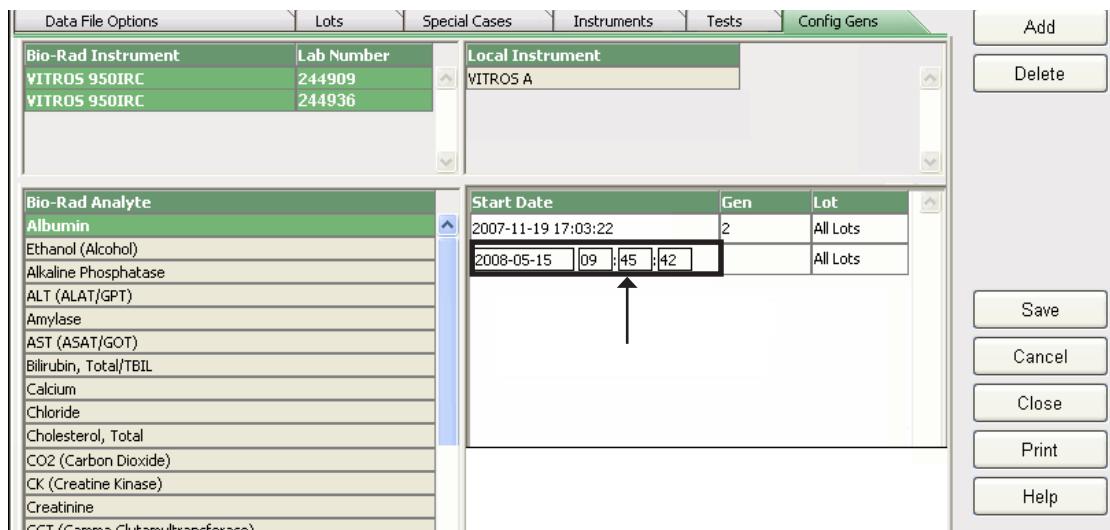
Data File Options		Lots	Special Cases	Instruments	Tests	Config Gens
Bio-Rad Instrument	Lab Number					
VITROS 950IRC	244909					
VITROS 950IRC	244936					
Bio-Rad Analyte						
Albumin						
Ethanol (Alcohol)						
Alkaline Phosphatase						
ALT (ALAT/GPT)						
Amylase						
AST (ASAT/GOT)						
Bilirubin, Total/TBIL						
Calcium						
Chloride						
Cholesterol, Total						
CO ₂ (Carbon Dioxide)						
CK (Creatine Kinase)						
Creatinine						
GGT (Gamma Glutamyltransferase)						
Start Date		Gen	Lot			
2007-11-19 17:03:22		2	All Lots			
2008-05-15 09:45:42		2	All Lots			

- 10 Click in the **Start Date** field. The field becomes active.

- 11 Click again in the **Start Date** field to display a calendar. Select a start date for the slide generation number from the calendar.



- 12 Click in the **hours**, **minutes**, and **seconds** fields to type the time for the slide generation number change.



- 13 Click in the **Gen** field and type the slide generation number.

Data File Options		Lots	Special Cases	Instruments	Tests	Config Gens																														
Bio-Rad Instrument	Lab Number	<table border="1"> <thead> <tr> <th colspan="2">Local Instrument</th> </tr> <tr> <td colspan="2">VITROS A</td> </tr> </thead> </table> <table border="1"> <thead> <tr> <th>Start Date</th> <th>Gen</th> <th>Lot</th> </tr> </thead> <tbody> <tr> <td>2007-11-19 17:03:22</td> <td>2</td> <td>All Lots</td> </tr> <tr> <td>2008-05-15 09:45:42</td> <td></td> <td>All Lots</td> </tr> </tbody> </table>					Local Instrument		VITROS A		Start Date	Gen	Lot	2007-11-19 17:03:22	2	All Lots	2008-05-15 09:45:42		All Lots																	
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Add
Delete

Save
Cancel
Close
Print
Help

- 14 Click in the **Lot** column and select the lot number for the slide generation number, or select **All Lots**.

Data File Options		Lots	Special Cases	Instruments	Tests	Config Gens																														
Bio-Rad Instrument	Lab Number	<table border="1"> <thead> <tr> <th colspan="2">Local Instrument</th> </tr> <tr> <td colspan="2">VITROS A</td> </tr> </thead> </table> <table border="1"> <thead> <tr> <th>Start Date</th> <th>Gen</th> <th>Lot</th> </tr> </thead> <tbody> <tr> <td>2007-11-19 17:03:22</td> <td>2</td> <td>All Lots</td> </tr> <tr> <td>2008-05-15 09:45:42</td> <td></td> <td>All Lots</td> </tr> </tbody> </table>					Local Instrument		VITROS A		Start Date	Gen	Lot	2007-11-19 17:03:22	2	All Lots	2008-05-15 09:45:42		All Lots																	
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Add
Delete

Save
Cancel
Close
Print
Help

- 15 Click **Save**.
 16 Click **Close** when all slide generation numbers are configured.
 17 Repeat steps 6–14 for each test with a slide generation number change.

Slide Generation Worksheet



Note: Use this worksheet to track your slide generation numbers. You can make additional copies as needed.

Changing SPC Rules for a New VITROS Test



Important: Each time you make a slide generation number change, WebConnect 2.0 creates a new test with the new slide generation number. The new test has the default SPC rules in place. If you use customized SPC rules for the test, or if you do not use any SPC rules, you must manually change the SPC rules for the test in UnityWeb 2.0. This applies even if the SPC rules are turned off at the lot level.

- 1 Click the **Configure** tab.
- 2 Click **Rules/Settings**.
- 3 Click the **Rules** tab.
- 4 Select the **Lab** or **Panel** option.
- 5 Select the lab number or panel name from the **Lab** or **Panel** list.
- 6 If using the **Lab** option, select the lot number from the **Lot** list.
- 7 Select the test from the **Test** list.
- 8 Click **Rules**.
- 9 Select an option (**Reject**, **Warn**, or **Off**) for each SPC rule. The status of each rule is indicated in the **Status** column using the symbols shown below:



Note: Click **Disable SPC Rules** to set all the rules to off.

- 10 Click **Save**.

Frequently Asked Questions

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Overview

This chapter contains frequently asked questions about WebConnect 2.0.

File Sizes for Transformation

Q:	How large a file can WebConnect 2.0 transform?
A:	WebConnect 2.0 can transform up to 20 MB. This is ample for the majority of WebConnect 2.0 customers. If using the McKesson RTF Report, Bio-Rad occasionally requests splitting up the QC data file if it exceeds 20 MB.

Transforming Multiple Files/Directory of Files

Q:	Can WebConnect 2.0 transform multiple QC data files at the same time?
A:	Yes, but only three QC data files can be transformed at one time. For example, if an LIS produces multiple files (one for each level for each control), WebConnect 2.0 can transform the three files at one time. In this case customers must determine which files need to be run together (for example, all levels of the same control). This sometimes requires opening each QC data file, which is not recommended. Make a copy of the original QC data file and open the copy. See Copying a QC Data File on page 39 for more information. If a customer has a dozen or more files, WebConnect 2.0 may not be a viable connectivity solution.

Q:	Can WebConnect 2.0 process a directory of files?
A:	No. WebConnect 2.0 does not have the capability of transforming a folder or directory of files.

VITROS Instruments

Q:	Can floppy disks containing QC data from a VITROS instrument be used with WebConnect 2.0?
A:	Floppy disks (archive disks) from a VITROS instrument cannot be transformed using WebConnect 2.0. The disks are not in DOS (disk operating system) format, so there is not a way to “browse” to a file on the floppy disk for uploading to WebConnect 2.0.

Q:	Can WebConnect 2.0 manage VITROS slide generations numbers?
A:	Only the VITROS Fusion 5,1 using a WebConnect 2.0 instrument transformer, automatically manages slide generation numbers. For all other VITROS instruments, WebConnect 2.0 cannot read the slide generation numbers in the QC data file, but allows you to define the slide generation number for each test based on dates. This requires keeping track of the dates when slide generation changes are made and manually entering this information into WebConnect 2.0. See Chapter 6 VITROS Slide Generation Numbers and WebConnect 2.0 on page 104 for more information.

License Agreement, Warranty Information, and Trademark Notices

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