Editing a Sequence Table

The Sequence Wizard allows you to create a basic Sequence table. Typical modifications to the basic sequence table include the following:

- Adding a Shutdown run type to shut down your instrument at the end of a sequence run
- Adding a Baseline Check run type to perform a baseline check at the beginning of a sequence run
- Adding an Action, such as running a shutdown if a hardware status error occurs
- Changing the Sequence Summary Template if you do not want to use the default template

Sequence: Assay.seq

Run #	Run Type	Level	Reps	Vial	Volume (µL)	Sample ID	Method	Filename	Sample Amt.	Multiplier	Multiplier 2	Multiplier 3	Dilutor 1	Dilutor 2	Dilutor 3	Action
1	CAL SSB SMB B	1	1	A,1	10	Cal 1	Test.met	Cal 1.dat	30	50	100	1	0.1	1	1	H'W
2	CAL SSS SMR	2	1	A,2	10	Cal 2	Test.met	Cal 2.dat	30	50	100	1	0.1	1	1	H'W
3	CAL SSS SMR	3	1	A,3	10	Cal 3	Test.met	Cal 3dat	30	50	100	1	0.1	1	1	H'W
4	Summary Run	0	1	A,4	10	Assay 1	Test.met	Assay 1.dat	30	50	100	1	0.1	1	1	H'W
5	Summary Run	0	1	A,5	10	Assay 2	Test.met	Assay 2.dat	30	50	100	1	0.1	1	1	H'W
6	CKS1 SME	0	1	A,6	10	Assay 3	Test.met	Assay 3.dat	30	50	100	1	0.1	1	1	
7	Shutdown	0	1		0		shutdown.met		1	1	1	1	1	1	1	

To edit the sequence:

Click on the **Edit Sequence button** to open your sequence table.

You can change the run type of any row in the table. The run type options are as follows:

- Clear All Calibration
- Clear Calibration at Level
- Print Calibration Report
- Average Replicates
- Clear Replicates
- Begin Loop
- End Loop
- ☑ Shutdown
- Print Additional Reports
- Begin System Suitability
- System Suitability Standard
- End System Suitability
- Begin Summary
- Summary Run
- End Summary
- Vial Summary
- QC Check Standard
- Unspiked
- Spiked
- Spike 1 of 2
- Spike 2 of 2
- Duplicate
- Begin Calibration
- End Calibration
- Baseline Check

To minimize scrolling, you can deselect the properties that you do not need from the table. The sequence can contain the following properties:

- ☑ Run #
- ☑ Status
- ☑ Run Type
- ☑ Level
- Conc Override
- ☑ Reps
- ☑ Vial
- ☑ Volume
- Pretreatment
- ☑ Sample ID
- ☑ Method
- ☑ Filename
- Sample Amt.
- ISTD Amt.
- Multiplier 1
- Multiplier 2
- Multiplier 3
- Dilutor 1
- Dilutor 2
- Dilutor 3
- Action
- Description

To add a shutdown run type:

1. In the last row of the sequence table, double-click in the Run Type column to display the Sample Run Types dialog box.
2. Select the Shutdown run type.
3. In the Method column, click on the green arrow, and then select a shutdown method.
4. Save the sequence.

To add a baseline check run type:

1. Enter the appropriate baseline check parameters in the Instrument Setup section of the method.
2. In the first row of the sequence table, double-click in the Run Type column to display the Sample Run Types dialog box.
3. Select the Baseline Check run type.
4. Save the sequence.

To add an Action:

1. If you want to perform an action for a run, click on the blue arrow in the Action column to display the Action dialog box.
2. Select the tests that you want to perform.
3. For each test, select whether ChromQuest performs the action if the test passes or if the test fails, and then select the resulting action. Some actions will require additional parameters.

To change the sequence summary template:

The default template (Summary.tpl) reports the concentrations of your named peaks for the first wavelength in the Channel Selection list box.

You can access other sequence summary reports from the template directory as follows:

1. Double-click in the Run Type cell that contains the Begin Summary (SMB) run type.
2. Click on the Begin Summary check box to display the contents of the Report Template text box.
3. Click on to select a summary report template from the following list of templates.

   Vial Summary.tpl
   Trend.tpl
   Summary_RetentionTime.tpl
   Summary_ISTD.tpl
   Summary_ESTD.tpl
   Summary_Area.tpl

4. Save the sequence.

✓ Tip

To create your own sequence summary template:

Choose **File > Advanced Reports > New** from the Command menu bar. ChromQuest displays the Template Editor window. Click on a cell in the spreadsheet, and then click on either the **Table Wizard button** or the **Function Wizard button**.

Starting a Sequence Run

To start a sequence run:

1. Click on the **Sequence Run button** to open the Sequence Run dialog box.
2. Click on to select a sequence file from a ChromQuest directory.
3. Select the All or the Range option button for the Run range.

   Enter a contiguous range with a dash (1-10). Enter a non-contiguous range with a comma (1-10,20-30).

   If you selected a section of the sequence before you opened the Sequence Run dialog box, notice that ChromQuest has automatically selected the ⊙ Selection option button.
4. Select a processing mode from the Processing Mode list box.

   For HPLC systems, select *Normal*. For systems that contain an HS2000 or an HS850, select *Full Download*.
5. Select a type of bracketing from the Bracketing list box.
6. To print the custom report for each data file, select ☑ the Print Method Reports check box. To print the sequence reports, such as the Sequence Summary report and the System Suitability report, select ☑ the Print Sequence Reports check box.
7. Click on **Start**.

Reprocessing a Sequence

To reprocess a sequence:

1. Click on the **Process a Sequence button**.
2. Click on to select a sequence file from a ChromQuest directory.
3. Select the All or the Range option button.
4. Select a processing mode from the Processing Mode list box.

   Use Stored Results shows the original results.
   Use Last Results shows the most recent results.
   Reintegrate recalculates the results.
   Review Only displays the results on the screen.
5. Select a type of bracketing from the Bracketing list box.
6. Select the Review Results check box to pause the processing after each data file. Click on the green up and down arrows ⇧⇩ to move through the rows of the sequence.
7. To print the custom report for each data file, select ☑ the Print Method Reports check box. To print the sequence reports, select ☑ the Print Sequence Reports check box.
8. Click on **Start**.
9. Click on the **Review Peaks Calibration button** to review the calibration curve.