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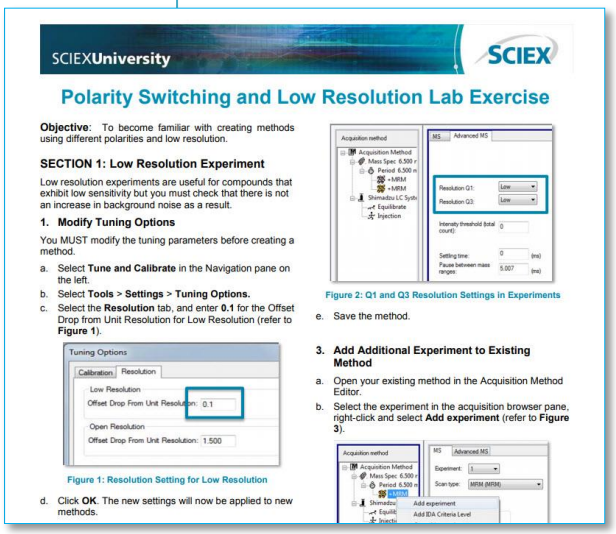
SCIEXUniversity Learning Tools Snapshots

Each course at SCIEX**Univeristy** is a unique experience. Below you will find a few samples of the learning tools you may encounter while taking a course. You will notice some great reference materials that you will be able to keep for years to come.

Lab Exercise



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Polarity Switching and Low Resolution Lab Exercise

Objective: To become familiar with creating methods using different polarities and low resolution.

SECTION 1: Low Resolution Experiment

Low resolution experiments are useful for compounds that exhibit low sensitivity but you must check that there is not an increase in background noise as a result.

1. Modify Tuning Options

You MUST modify the tuning parameters before creating a method.

a. Select **Tune and Calibrate** in the Navigation pane on the left.
b. Select **Tools > Settings > Tuning Options.**
c. Select the **Resolution** tab, and enter **0.1** for the Offset Drop from Unit Resolution for Low Resolution (refer to **Figure 1**).

Figure 1: Resolution Setting for Low Resolution

d. Click **OK**. The new settings will now be applied to new methods.

Figure 2: Q1 and Q3 Resolution Settings in Experiments

e. Save the method.

3. Add Additional Experiment to Existing Method

a. Open your existing method in the Acquisition Method Editor.
b. Select the experiment in the acquisition browser pane, right-click and select **Add experiment** (refer to **Figure 3**).

Consumable Part Numbers

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Required Consumables for Advanced LC-MS Method Development Training Course at Customer Site

At SCIEX, our Success Technology Programs follow the proven spaced learning approach to maximize learning retention. The training process includes a unique blend of self-paced eLearning, instructor led and hands-on training provided at the customer site.

This SCIEX**University** course provides a variety of instructor led training and hands-on laboratory exercises, and finishes with a Method Development Challenge.

For this training to be successful, the LC-MS system must be installed and configured before the training. You must also provide the following consumables for use during the training.

Description	Part Number	Size
Triazine standard solution	4376887	N/A
Phenomenex Synergi 4 µm Fusion-RP 80Å HPLC Column	4376878	50 mm × 2.0 mm
PEEK tubing	4425163	0.13 × 3000 mm
PEEK Tube Cutter	011281	N/A
Syringe	WC010615	1 mL
Syringe needle	1005819	1 mL
Syringe adapter	1008236	N/A
Fitting PEEK Tee 0.020 in BORE	1006550	N/A
Ultra-pure MS-grade Water	N/A	N/A
MS-grade Methanol (stored in glass bottles)	N/A	N/A
MS-grade Acetonitrile (stored in glass bottles)	N/A	N/A
Formic acid	N/A	N/A

Lectures Covered

Recommended eLearning

Headquarters
500 Old Connecticut Path | Framingham, MA 01701 USA
Phone 508-383-7700
sciex.com

International Sales
For our office locations please call the division headquarters or refer to our website at
sciex.com/offices