

Preparing Test Samples / Major Mix IMS/Tof Calibration Kit

This procedure describes how to prepare the calibration solution from the Major Mix IMS/Tof Calibration Kit (p/n 186008113).

Parts required

Table 1: Parts required

Part number	Description	Quantity
186008113	Major Mix IMS/Tof Calibration Kit	1

Table 2: Sample Kit 186008113 components

Part number	Description	Quantity
186008113-1	Major Mix Calibration Solution, 2 mL	2
186008113-2	50:50 Acetonitrile/Water + 0.1% Formic Acid Solution, 17 mL	2
186008113-3	LCMS QC Reference Standard Solution, 1 mL	2
715005131	Preparing Test Samples / Major Mix IMS/Tof Calibration Kit	1

Tools/materials required

No additional chemicals or sample preparation equipment are required: the major mix is prepared using the supplied 50:50 acetonitrile/water + 0.1% formic acid solution Nalgene bottle.

Procedure

WARNING: *The Health and Safety policies of Waters and the laboratory in use must be followed.*

CAUTION: *Take care when opening the ampules not to spill the sample.*

Preparing the sample

Major Mix calibration solution

1. Crack open the 2-mL amber flame-sealed ampule of Major Mix (p/n 186008113-1), and pour into the 30-mL Nalgene bottle containing 17 mL of 50:50 acetonitrile/water + 0.1% formic acid solution (p/n 186008113-2).
2. Crack open the 2-mL amber flame-sealed ampule of LCMS QC reference standard (p/n 186008113-3), and pour into the 30-mL Nalgene bottle.
3. Sonicate the 30-mL Nalgene bottle for 5 minutes.
4. Label the the 30-mL Nalgene bottle as "Major Mix IMS/Tof Calibration Solution" and store in the freezer (expires in 3 months).