

BIOCRATES on-site training p180 Kit

Day 1

8:30-12:30 pm MetIDQ software training and sample preparation

- general MetIDQ overview
- register the samples in the MetLIMS module
- generate 96-well plate overview and distribute sample, generate worklist for lab preparation and Mass Spectrometer.

lab work

- get samples ready
- **10 samples** can be used on the Starter kit plate in addition to the Quality controls, blanks and calibrants.
- prepare buffers and solvents needed, prepare Quality Controls and Calibration Standards
- add samples to Starter Kit plate, samples are dried for 30 min during lunch break

Day 1 afternoon

1-4 pm Plate preparation and test run MS

- continue plate preparation in the lab
- setup LC methods and acquisition methods on Mass Spectrometer.
- We start with the flow injection method on the first day. **We recommend PEEK tuning (colored red) 1/16 x 0.005 inch, (eg. Upchurch Scientific 1535).**

4-5 pm test MS method and submit batch

- Test run of FIA method, test blank and QC samples
- submit samples for overnight run

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Day 2

8:30–11:00 am Setup LC-MS/MS method

- evaluate FIA data
- connect and equilibrate column
- Set-up acquisition methods
- test HPLC methods, submit blank
- run one calibration standard sample to adjust retention times.
- test run with adjusted retention times
- submit all samples for LC-MS/MS

11-12:00 am Met/DQ Software training

- load FIA data into Met/DQ and calculate concentrations in Met/DQ
- explain MetVal and MetStat module

1-2 pm Evaluate Results from LC-MS/MS run

- Evaluate data and calculate concentration in Analyst Software

2-5 pm Software training data analysis

- Import LC-MS/MS data in Met/DQ
- Data analysis in MetStat module
- StatPack Module, use your own data/ test data to show statistic tools integrated in the StatPack Module