

Instrument-Specific Policies

Bruker AutoFlexmax MALDI-TOF

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Safety Trainings

SciTech requires individuals to complete the Environmental Health and Safety (EH&S) Chemical and Laboratory Safety training through canvas. This canvas course can be found through WWU's EH&S training webpage, SciTech's New Users' webpage, or as prompted by FOM. Individuals must notify the appropriate staff member of their completion of the course. The course certification will need to be renewed annually.

Training and Certification for Independent Use

Standard training for the MALDI includes:

- General lab space and safety introduction
- Full instrument breakdown (Sample, Ion Source, Mass Analyzer, Detector)
- Preparation of sample and matrix solutions
- Pipetting technique for spotting samples
- Instrument safe run protocols

MALDI mass spec imaging is a mode of operation that requires additional training from the SciTech staff. Training will include:

- Frozen specimen cryotome slicing
- Slide mounting
- Mounted sample preparation (e.g. rinsing, fixing)
- Matrix solution preparation
- Matrix application with HTX TM-Sprayer

Scheduling Instrument Time

Reservations can be made no less than 24 hours in advance. If reservation is desired within 24 hours, contact staff lead and access may or may not be granted.

Individuals are restricted to a maximum of three sessions per week unless express permission has been granted by the instrument staff lead.

Data transfer and storage

SciTech is presently working on establishing methods for centralized data sharing and long-term data storage. Individuals are able to save their data on the ceph cluster (<\\smb.ceph.eis.wvu.edu>), however there is no guarantee on the longevity of this option. Using an external source such as a flash drive, SharePoint, or Google Drive is highly recommended.