


Operating Instructions MST	Building: SupraFAB	
	Area of application: Freie Universität Berlin Altensteinstr.23a	

Operating Instructions – Operating Instructions MST

According to Occupational Health and Safety Regulation

Work space: SupraFAB

Work station: Room 114

Hazards for people and the environment



- **Class 1, as enclosed: Any opening, modification or manipulation of the operation is prohibited, to be carried out only by service, as lasers of higher levels are included, as follows:**
- **Class 3B:** The accessible infrared laser radiation is dangerous to the eye and in skin.
Risk of electrical accidents due to damaged cables.
Risk of hazardous invisible radiation exposure.
Risk of direct or indirect exposure of the eye to thermal radiation from the infrared B spectral regions (1,400 nm – 3,000 nm).
Danger of injuries due to mechanical moving parts or heat
Danger from leaking cell culture media, solvents and hazardous substances (including biological ones), risk from the substances used in accordance with the Hazardous Substances Ordinance!
Cutting injuries due to glass breakage of the sample tubes or capillaries!

Protective measures and rules of behaviour



- Operation by trained personnel only!
- Observe the operating instructions for the device!
- Only operate the Monolith NT.115 with aqueous solutions.
- Keep the workplace clean!
- Do not open the system, do not look into the jet! Manual opening poses a risk of personal injury.
- Do not touch the instrument while parts are moving.
- Avoid touching the temperature controlled parts of the instrument for a longer time when you have set the temperature controller to high temperatures.
- In case of danger, disconnect the appliance from the power supply. Troubleshooting only by qualified personnel.
- Report faults and malfunctions to the person responsible for the system immediately!
Disinfect contaminated work surfaces and instruments (e.g. with 70% ethanol). Remove larger contaminations with wipes or similar materials and autoclave

Behaviour in case of danger



Inform the person responsible for the area immediately in the event of faults! Switch off the machine!

In case of fire: Keep calm!

Call the fire department on 112! Inform the central control room on 55112!

Warn employees!

Fight the fire with a CO2 extinguisher! Pay attention to self protection!

First aid



Inform first aiders (see alarm plan). Treat minor injuries immediately and enter them in the first aid book.

In the event of more serious injuries, consult a general practitioner or call an emergency doctor.


Inform the workshop management.

Rescue service: **112**

Proper disposal Inspection

Remove all sample containers and capillaries

Keep the sample chamber clean. Remove any leaked liquid immediately!

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Repairs may only be carried out by authorised, qualified persons.

Regular inspections may only be carried out by authorised persons.

Dispose the capillaries into big white bin for contaminated glass waste

For further questions, please contact the Occupational Safety department

Tel.: -54495

Signature of the division manager: