

## Operating Instructions Fluorescence Microscope

Building: SupraFAB

Area of application:  
Freie Universität Berlin  
Altensteinstr. 23a



### Operating Instructions – Working with Fluorescence Microscope According to Occupational Health and Safety Regulation

Work space: SupraFAB

Work station: Room 114/115/ 026-027

#### Hazards for people and the environment



- Risk of electrical accidents due to damaged cables
- Danger from defective bulbs (may contain mercury)
- Danger from leaking solvents, hazardous substances and bio-substances
- Risk from the substances used in accordance with GefStoffV, BioStoffV and GenTSV
- Cut injuries due to glass breakage of the slides

#### Protective measures and rules of behaviour



- Observe the operating instructions for the device and the operating instructions for the sample material used.
- Document the use of the device.
- Ensure cleanliness on and around the device.
- Report faults and malfunctions immediately to the person responsible for the device.
- When using liquids, particular care must be taken around the eyepieces or microscope stage, as cleaning is difficult or impossible.
- Replace the bulb regularly. When replacing the bulb, follow the manufacturer's instructions and observe the university's disposal regulations.
- In the event of danger, disconnect the device from the power supply. Fault rectification only by qualified personnel. In the event of fire, alert the fire brigade and attempt to extinguish the fire while observing personal safety precautions.
- Labelling of all sample containers for identification.
- Remove all sample containers.
- The mercury vapour lamp may only be switched off by qualified personnel. Take care when replacing the bulb (contains mercury). Toxic.
- Remove any leaked liquid immediately.

#### 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 powder, CO2 or foam extinguisher! Pay attention to self protection!




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

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

**For further questions, please contact the Occupational Safety department**  
Tel.: -54495

Signature and date of the division manager: