


Operating Instructions deep freezer	Building: SupraFAB	
	Area of application: Freie Universität Berlin Altensteinstraße 23a	

Operating Instructions – Working with deep freezer (Eppendorf cryocube) According to Occupational Health and Safety Regulation

Work space: SupraFAB

Work station: Room 114.1,115.2

Hazards for people and the environment



Risk of explosion
Lethal voltages inside the device
Damage to health due to infectious liquids and pathogenic germs.
Risk of fire due to escaping flammable refrigerants (R-170 and R-290)
Device warms up fast.



Protective measures and rules of behaviour




Wear cold protection gloves when loading and unloading the device.
Minimising the opening time. Therefore you should know where your samples are.
Label your samples precisely and sign in the related file with name, date and content-readable.
Do not operate the device in areas where work with explosive substances is carried out.
Do not store explosive or highly reactive substances in the device.
Do not use the device to store substances that may generate an explosive atmosphere.
Do not store any aerogenic substances in the device, e.g., dry ice.
Ensure that the housing is closed and undamaged.
Do not remove the housing.
Ensure that no liquids can penetrate the device.
If the supplied mains/power cord is defective, replace it with a mains/power cord and a plug of the same type.
Ensure adequate ventilation of the location.
Label your samples detailed and sign in the related file with name, date and content.
Call 5555 if the freezer has reached -74°C degrees.

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

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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-service

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

Date and Signature of the division manager: