

2024-05-16

Signature:

Operating Instructions

According to the
Betriebsicherheitsverordnung

UNIVERSITÄT
DUISBURG
ESSEN

Offen im Denken

Faculty of Chemistry

Institute: AAC

Work place: AAC Labs

EQUIPMENT

Microbiological safety cabinet class II

DANGERS FOR HUMANS AND ENVIRONMENT



- Danger of biological agents escaping if the work is not carried out properly.
- The safety cabinet does not provide sufficient protection against harmful gases.

PROTECTIVE MEASURES AND RULES OF CONDUCT



- **The operating instructions must be observed.**
- Switch on Cleanbench Kojair Biowizard with the key switch a few minutes before starting work and wait for the stable operating state to be indicated by indicator lights.
- Avoid aerosol formation as far as possible.
- Avoid disturbing the air flow as much as possible: no fast or violent arm movements,
- do not bring bulky equipment into the safety cabinet unless absolutely necessary and ensure that the ventilation openings are not blocked.
- Do not keep unnecessary objects in the interior. Only bring in as much material and equipment as is necessary for the work.
- Plan activities in advance.
- All equipment brought into the interior must be cleaned and disinfected beforehand. Equipment that is removed must be disinfected beforehand and cleaned afterwards if necessary (observe the order).
- The work surface of the safety cabinet is to be disinfected and cleaned after completion of the activities, if necessary.
- The disinfectants according to the hygiene plan are to be used. If flammable disinfectants, e.g. alcohol, are used, care must be taken to avoid the formation of an explosive mixture.
- The aseptic conditions of the interior should be checked regularly by setting up open Petri dishes with culture media.

- Safe operation is only possible when the green light is on and the front window is in the working position. Observe alarm displays.
- In the event of complete malfunction, activities involving biological agents with a hazard potential must be terminated in a controlled manner. The supervisor and, if available, the biological safety officer must be informed immediately.
- If it is indicated that the HEPA filters need to be changed (display), the laboratory manager must be informed.

RESPONSE TO MALFUNCTIONS



Shut down device immediately, faults must be reported to:

- Constanze Dietrich Tel.: 1834559
- Dr. Sven Meckelmann Tel.: 1833295
- Prof. Dr. Oliver Schmitz Tel.: 1833950

BEHAVIOR IN CASE OF ACCIDENT / FIRST AID



- Keep calm.
- Call first responders.
- Emergency call: 0112
- Report accident.

MAINTENANCE / DISPOSAL

- Maintenance only by authorized, competent persons.
- Switch off the device and disconnect it from the mains.
- Regular inspection of wearing parts.
- Filters must be disposed properly.