

Work Instructions

work area related to § 12 Abs.1 der BioStoffV

Area of Application

Work with human sample material such as: blood, secretions, excreta and tissue

Risks for human health and the environment



- » Infection with Hepatitis A, B or C (HAV, HBV, HCV) and Human Immunodeficiency Virus (HIV) possible
- » Absorption can be by inhalation of aerosols, but also via the skin, especially in the case of rupture, puncture and cut injuries, or in the case of chronically pre-damaged skin. In case of splashing or spilling of samples, an exposure via the eye and mucosa is possible.

Protective measures and behavioural safety rules



- » Samples of human origin that have not been tested for their infection status are classified as potentially infectious according to TRBA 100 and are subject to protection level 2 conditions, according to Biostoffverordnung.
- » All work with untested samples is allowed only in protection level 2 laboratories.
- » Only persons authorized and instructed by the project leader get access to the laboratory.
- » For work with whole blood, use plastic pipettes only
- » All protective measures and rules of S2 laboratories must be adhered to
- » In the laboratory, a closed lab coat, robust and closed footwear and safety glasses must be worn
- » Only safety scalpels and safety needles may be used.
- » The following operating instructions (Betriebsanweisung) apply: c.1 "Activities with biological agents classified as risk group 2"
- » The hygiene plan for work at biological safety level 2 must be adhered to

What to do in the event of danger/incident



- » Liquids are absorbed with a 1paper tissue and placed in the autoclave bin. The contaminated area must be disinfected with B15 2% with 5 min incubation. Avoid unauthorized access. Keep doors and windows closed.
- » Lab coats, glasses, disposable nitrile gloves, etc. must be worn when removing the waste and when aerosols are present, a filtering half mask (FFP 2) must be worn
- » All contaminated objects (including lab coats) have to be transferred to an additional, autoclave bin which is clearly labeled on the outside and will be disinfected regularly or upon contamination. Sharp objects are disposed of in the yellow Multi-Safe waste disposal container and subsequently autoclaved in the lab-kitchen.

First Aid



Cut/stab wounds:

Bleed out wound and disinfect with Octenisept.

Skin contact:

Rinse under running water and disinfect with Sterillium classic pure.

Eye contact:

Rinse the affected eye thoroughly with eye wash.

Contact with mucosa:

Rinse/disinfect with Octenisept.



Every type of injury must be documented in a register of accidents and be reported to the responsible supervisor and the project leader. If the injuries are related to infectious material you have to visit the "Durchgangsarzt" The accident report must be filled out.

Drop- off center:

Charité emergency room: 0- 450 531 00

Emergency:

112

Waste disposal

- » The liquid waste must be collected in tightly sealed, break-proof containers which are clearly labeled on the outside (2L container with yellow lid) and subsequently autoclaved in the lab-kitchen.
- » Solid waste must be disposed of in autoclave bins labelled "S2 " on the outside. The bins must be closed and should be filled no more than 2/3. All waste has to be brought to the lab kitchen before the weekend.
- » The waste should be placed in the lab-kitchen by instructed persons only.
- » Sharp objects are disposed of in the yellow Multi-Safe waste disposal container and subsequently autoclaved in the lab-kitchen.

Created by:

Robert Günther

Approved by:

Ute Hoffmann

