

# Safety instructions according to § 12 Biostoffverordnung

Freie Universität Berlin

Workplace: Viruslab\_Biolab, Room 114

SupraFAB, Altensteinstr. 23a, 14195 Berlin

Work: ...

## Identification of hazard

### Biological Hazard , Influenza A virus , Risk group 2

## Hazards for humans and the environment



1. Eggs inoculated with influenza viruses increase the risk of exposure to influenza viruses mostly via the airways due to the possibility of breakage of eggs during transport or transit between incubator to the bench or during the inoculation.
2. The use of needles is necessary for the inoculation and scissors for egg shell opening that get in contact with virus containing solutions increase the risk of virus infection via wounds.

## Protective measures and rules of conduct



1. During all steps involving egg inoculation and virus harvest, only the person performing the experiment and a trained assistant are allowed to be in the virus lab.



2. Wear in addition to the lab coat, cut prove gloves, sleeve protectors, safety glasses, lab shoes, single-use shoe cover, and an FFP2 mask.



3. Perform all procedures involving manipulation of the egg in a biosafety cabinet that you pre-book. Pre-clean all equipment with Meliseptol before use. In general, influenza virus inoculation and harvest should be conducted in a BSL-2/S2 laboratory.



4. A sign indicating egg inoculation & virus harvest has to be placed on the outside virus lab door to prevent accidentally entering of persons not involved in the experiment.

5. All used consumable (tubes, pipette tips, masks, gloves, syringes without needles etc.) and infected eggs must be disposed in the S2 biohazard waste and autoclaved the same day.



6. Autoclaved animal corps, and egg shells will be stored in a container in the freezer until a company for animal waste removal will collect it.

7. Collect all one-way sharp items in a sharp items' disposal container that will be autoclaved.



8. For all contaminated instruments, such as forceps and spatula, leave them to soak in Korsolex basic 3% for 1 hour, then autoclave and clean.

9. Disinfect the working area and other equipment with Meliseptol after finishing work according to the hygiene plan.

Do not smoke, eat or drink at the workplace!

## Behavior in case of danger

### Keep Calm!

**Fire: Call fire department on phone 112. Inform Zentralwarte on phone 55112.**

Warn employees! Inform superiors!

Fight fire with powder-, CO<sub>2</sub>- or foam-extinguisher!

**Spillage / leakage: • eg broken egg , isolate the area, use paper towels to collect liquid, dispose in biohazard waste, disinfect with 3% Incidin active (1-hour incubation) per protocol.**

Inform superiors!

## First Aid

**Rescue services: Phone 112 ; First responders: Katharina Achazi, Daniel Lauster**

Injury protocol: a) Remove gloves, wash hands. b) Seek help: 030 838 56354. Consult doctor ; Monitor symptoms; call 112 if severe. Notify Katharina Achazi.

**After inhalation:** Remove to fresh air!

**After skin contact:** a) Remove your gloves, wash your hand, let wound bleeding out ; get help from a first aid helper 030 838 56354 or colleague.

**After eye contact:** Rinse with plenty of water with eyelid open!



## Appropriate disposal

Dispose eggs into a biohazard waste container and autoclave. Collect the waste with eggs and embryo residues and freeze the autoclaved waste in a box in the -80°C freezer until the company SecAnim will collect the waste.

Date: 25/09/23

Signature of responsible person:

*D. Lauster*