



Risk assessment SB/IB-Vertical autoclave

Produced 2010-05-31 By Riskbedömare 2 Livsvetenskaper
at Systembiologi och industriell bioteknik.
Modified 2015-11-09 By Cecilia Sundelin

Final risk assessment of the method

1. Acceptable risk

1. State the premises in which the activity is taking place

Fysik Forskarhuset

Floor Room

Kemi forskarhus 1

Floor Room

Kemi kurshus

Floor Room

Plan 6 6176G Autoclave room 1

2. Description of activity

Sterilization of media, glassware etc.

3. Products

Product name	Concentration	Form	Quantity	Danger	Comments
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4. Risk category

5. Level of exposure

6. Ventilation

7. Biological material

8. Comments on Biological material

9. Risk codes

10. Comments on risk codes

11. Premises

12. Comments on premises

13. Protective signs

14. Comments on protective signs

15. Personal protective equipment

protective glasses , protective gloves , protective clothing

16. Comments on Personal protective equipment

The machine would be heated with vapor, so temperature protective gloves should be worn when handling hot vessels.

17. Describe the technical equipment

Autoclave operates with hot water. SOP for usage on the wall behind the instrument and on the Lifebio-server. This is updated from time to time - always read before starting a run!

Always get instructions from responsible research engineer before using it for the first time.

18. Environment

19. Comments on environment

20. Waste management

21. Comments on Waste management

22. Emergency equipment

first aid kit , emergency shower , eye shower

23. Comments on Emergency equipment

In case that someone touch the heating wall of the machine, they might need the adhesive bandages and also some ice to reduce the pain.

24. Hazardous actions

heating

25. Comments on Hazardous actions

The machine would be heated with vapor/water and maintain in a high temperature.

Be careful and keep a distance when opening the lid after a run. The instruments is operated with HOT water and vacuum. No faces over the open autoclave when you first open, hot steam or water can come out. Always handle autoclaved glass ware with care. the vacuum pressure built up can cause explosions in worst case.

26. Special instructions to other personel

Don't touch the machine while it runs.

27. Accidental readiness

Emergency numbers are posted on the wall in the corridor.

No usage after working hours!

28. Final risk assessment of the method

1. Acceptable risk

29. Comments on final risk assessment and additional risk reducing measurements

Working with autoclaves always includes a risk. Never run the instrument without proper instructions, after working hours or when alone in the lab.

Signature
Supervisor

Date

Christer Larsson

Date of reassessment: