



# Risk assessment SB/IB-Vertical autoclave

Produced 2010-05-31 By Riskbedömare 2 Livsvetenskaper  
at Riskbedömningar Livsvetenskaper.  
Modified 2012-07-04 By Systembiologi Gemensam

## Final risk assessment of the method

1. Acceptable risk

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

**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

### 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:**