Risk assessment
SB/IB-Centrifugal vacuum vaporators

Produced 2010-05-11 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

Floor 6 labs

2. Description of activity

Sample drying under vacuum using DNA SpeedVac (Savant DNA 120) or Christ equipment (RVC 2-18 centrifuge and CT 20-50 SR).

3. Products

Product name	Concentration	Form	Quantity	Danger	Comments

4. Risk category

d: low risk

5. Level of exposure

6. Ventilation

Level of protection 1 - bench

7. Biological material

N/A

8. Comments on Biological material

9. Risk codes

10. Comments on risk codes

11. Premises

ventilation

12. Comments on premises

13. Protective signs

14. Comments on protective signs

15. Personal protective equipment

protective glasses , protective clothing

16. Comments on Personal protective equipment

Wear protective glasses when working with vacuum.

17. Describe the technical equipment

rotational vacuum concentrator for concentration of DNA, RNA, proteins, etc.

18. Environment

emission to air

19. Comments on environment

Do not dry products with high solvent concentration.

20. Waste management

21. Comments on Waste management

Depending on the material used the corresponding safety regulations must be considered.

22. Emergency equipment

first aid kit , fire-extinguisher foam

23. Comments on Emergency equipment

24. Hazardous actions

heating , centrifuge , vacuum destillation , other

25. Comments on Hazardous actions

**Do not dry acids, azides, corrosive substances, explosives or products with high solvent content.
Make sure that the rotor is installed properly.
Do not use glass vessels, which may break during operation.
Do not place dangerous material (e.g. glass vessels containing liquids) near the instrument.
In case of spill the rotor chamber must be cleaned immediately (attention, chamber surface may be hot). See SOP for instructions. Do not use alkaline agents for cleaning (may cause corrosion).**

26. Special instructions to other personel

27. Accidental readiness

28. Final risk assessment of the method

1. Acceptable risk

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

A short SOP can be found next to the instrument. The manual can be found in the drawer underneath.

Signature
Supervisor **Date**

Christer Larsson

Date of reassessment: