



Risk assessment SB/IB-Centrifuge Sigma 4K15

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Modified 2011-04-07 By Riskbedömare 2 Livsvetenskaper

Final risk assessment of the method

3. High risk

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

Kemi forskarhus 1

Floor Room

Kemi kurshus

Floor Room

Plan 6 6176B -80 degree freezer

Centrifuge room

2. Description of activity

An apparatus used in the laboratory for separating substances of different density or particle size, when suspended in a fluid, by spinning them about an axis in a suitable container.

3. Products

Product name	Concentration	Form	Quantity	Danger	Comments

4. Risk category

b: high risk

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

16. Comments on Personal protective equipment

17. Describe the technical equipment

Rotor chamber, rotors, buckets

18. Environment

19. Comments on environment

20. Waste management

21. Comments on Waste management

22. Emergency equipment

23. Comments on Emergency equipment

24. Hazardous actions

centrifuge

25. Comments on Hazardous actions

NEVER run the centrifuge without proper training from responsible person!

Centrifugation is always hazardous since high speeds result in great forces, especially when using the ultracentrifuge! Great damage could result from improper handling of the centrifuge! The SOP must always be followed!

The rotor should always be balanced before a run and only tubes compatible with rotor should be used.

Never centrifuge materials capable of developing flammable or explosive vapors, for example chloroform or ethyl alcohol.

26. Special instructions to other personnel

27. Accidental readiness

If a tube breaks in the centrifuge clean it up immediately! Dirt will eventually make the rotor corrode which may lead to serious accidents.

28. Final risk assessment of the method

3. High risk

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

NEVER operate the centrifuge without given proper training from responsible person! You may cause serious injury to yourself and to others around you!

**Signature
Supervisor**

Date

Christer Larsson

Date of reassessment: