

## SOP: Rotavapors

1. **Do not use explosive chemicals\*! Always use safety glasses!**
2. If the sample contains smelly or volatile toxic compounds, the rotavapor must be placed in a hood.
3. Before you start, check that the valve on the top of the cooler is open, and that the vacuum pump regulator valve is closed.
4. Turn on the vacuum pump, and turn on the cooling water to the rotavapor and vacuum pump.
5. Set the water bath temperature to approx. 1/3 of your solvent's boiling point.
6. Connect your round-bottom flask (with sample) to the cooler.
7. Start the rotation (roughly 5-6 rounds per second)
8. Close the valve on the top of the cooler.
9. Open the vacuum regulator: carefully open all the way up, and then turn it back about a half a turn.
10. Lower the round-bottom flask connected to the cooler in to the water (about half of the flask should be in the water).
11. Now the solvent will be removed by the rotavapor. When there is no more solvent left, your sample is ready.
12. Lift the assembly out of the water.
13. Close the vacuum regulator.
14. Open the valve at the top of the cooler.
15. Turn of the rotation.
16. Remove your flask. If necessary, clean the parts used.

\*DO NOT USE CHEMICALS LABELLED WITH:

