

LSOP Title	
LSOP No.	LSOP35
Version	1.1
Location	UQ Node/Centre-wide
Policy/Procedure Link	UQ- Equipment
Risk Assessments	
Approved by	<i>Franziska Fichtner</i>
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1.0 Scope

This procedure covers the use of the vacuum concentrator.

2.0 Prescribed Actions

Turning on and loading samples

1. Fill out your details in the book.
2. Turn on cold trap and close the drain tap and lid. Let it cool for 1 min.
3. Balance all samples in pairs. Ensure that balanced pairs contain the same solvent to ensure centrifuge remains balanced throughout concentrating. Place balanced samples in rotor ensuring that balanced pairs are opposite each other.

NB: if you are using a strongly acidic or basic solvent, notify someone from the Beveridge lab, because the diaphragm in the pump may need cleaning after you have finished using it.

4. Close lid and start centrifuge.

LABORATORY STANDARD OPERATING PROCEDURE (LSOP)

ARC COE for Plant Success in Nature and Agriculture: *Using the Vacuum Concentrator*

5. Once centrifuge speed is stable, start the vacuum pump. Turn white tap at back of centrifuge 180° to evacuate centrifuge chamber. Check that there are no air leaks.

NB:

- *do not turn on the vacuum before the centrifuge, or samples may be lost*
- *If using Eppendorf tubes, ensure the tube is placed in the centrifuge at correct angle or again, samples may be lost. Check with someone if not sure.*

Turning off and removing samples

1. Slowly release vacuum by turning the tap at the back.
2. Turn off the vacuum pump.
3. Turn off the centrifuge and remove samples.
4. Turn off the cold trap and open cold trap lid and tap (put a waste beaker under the tap and empty it later).
5. Complete details in book. Let someone know if there have been any problems with the equipment.