

LSOP Title	Autoclave
LSOP No.	LSOP83
Version	1.1
Location	UQ Node/Centre-wide
Policy/Procedure Link	
Risk Assessment	
Approved by	Elizabeth Dun
Date Approved	18/03/2022
Date Effective	14/10/2021
Next Review Date	14/10/2024
Contact for Assistance	plantsuccess@uq.edu.au

1.0 Scope

This procedure covers the use of the autoclave in 164.

This LSOP does not cover the use of a bucket autoclave or any other autoclave within the School of Biology.

2.0 Definitions

RO – Reverse Osmosis

L – litres

3.0 Materials and Equipment

1. Autoclave
2. Hose
3. RO Water
4. Items to be autoclaved
5. Jug/Bucket

4.0 Prescribed Actions

1. Turn on autoclave
 - a. Button at the front, bottom right
2. Place your material in the autoclave chamber (you can fit up to 5 x 1L bottles)

N.B. You may need to remove the tray and angle the bottle to get them to fit into the chamber initially, but they should stand upright in the chamber

3. Close the door and make sure the handle is properly locked

LABORATORY STANDARD OPERATING PROCEDURE (LSOP)

ARC COE for Plant Success in Nature and Agriculture: Autoclave

4. Add ~2L of RO water into the reservoir above the autoclave (~1-2cm from the top edge)
5. Press the "M" button to go to the program menu
6. Using the arrows, select "Liquid 121°C" for media or select "Wrapped 134 °C" for instruments
N.B. select "Wrapped 134 °C" if you think your instruments may melt
7. Press the return button to start the cycle
8. Enter your name on the record list and check how many times the autoclave has been run since the last purge
9. The autoclave needs to be purged every 4 runs using the left tap at the front and a hose
 - a. To do so, open the front bottom right panel
 - b. Add the hose onto the tap
 - c. Turn the tap 90° degrees
 - d. Empty the water into a bucket
 - e. Once empty discard the water
 - f. Turn the tap back 90°
 - g. Close the front panel
 - h. Ensure the tap is turned off completely before starting next cycle.
10. If you need to stop the cycle urgently, press and hold the return button
N.B The error message N20 will appear on the screen. Press and hold the "M" button to get rid of this message.