

JMJ-Group – Microbiology – BMB – SDU	
Title: Table autoclave	Date issued: 2012.11.26
SOP number: SOP0002_v01	Review date: 2013.12.03
Version number: 01	Written by: Tina Kronborg

1. Purpose

To use the table autoclave

2. Area of application

The first procedure is valid for table automatic autoclave and the second is valid for the non-automatic autoclave

3. Apparatus and equipment

Apparatus/equipment	Location (Room number)	Check points	Criteria for approval/rejection
Small autoclave automatic	V18-405-0		121°C
Small autoclave	V18-404-2		

4. Materials and reagents – their shelf life and risk labelling

Name	Components	Manufacturer /	Room	Safety considerations
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	(Concentrations)	Cat. #		
Demineralised water			V18-405-0	

5. QC – Quality Control

6. List of other SOPs relevant to this SOP

JMJ_SOP00013_v01_TK_LA plates with antibiotic

7. Environmental conditions required

8. Procedure

Automatic autoclave

1. Unscrew the lid of the bottle or place green autoclave bags with items in a rack without the bag touching the water
2. Put on a small piece of autoclave tape from the lit to the neck of the bottle or on the bag
3. Fill the small autoclave with demineralised water reaching up to 2 cm above the metal plate
4. Place the lid on the autoclave and lock it
5. Start the Autoclave by holding the button in for 3 sec.
6. After the temperature has reach 121 °C, the autoclave will start a 20 min count down
7. After the 20 min the temperature will decrease and when it reached around 80 °C take the lid of the autoclave
8. Screw the lid on the bottle again
9. Empty the water out of the autoclave

Non-automatic

10. Unscrew the lid of the bottle or place green autoclave bags with items in a rack without the bag touching the water
11. Put on a small piece of autoclave tape from the lit to the neck of the bottle or on the bag
12. Fill the small autoclave with demineralised water reaching up to 2 cm above the metal plate
13. Place the lid on the autoclave and lock it
14. Unscrew the valve on the lit
15. Start the Autoclave by holding the button in for 3 sec.
16. Warm up until 100 °C (around 15 min.)
17. Tighten the valve
18. Wait until the pressure rises and the temperature is on 120 °C
19. Leave for 20 min.
20. Turn off
21. Remember first to unscrew the valve and the lit when the temperature is below 100 °C

9. Waste handling

Chemical name	Concentration	Type of waste (C, Z...)	Remarks
Water		In the sink	

10. Time consumption

- Total-time 90 min
- Hands-on-time 5 min

11. Scheme of development

Date / Initials	Version No.	Description of changes
12.11.26 / TK	01	The SOP has been written
13.01.30 / TK & MM	01	The SOP has been approved

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12. **Appendixes**