

04_02_Autoclaving

MONTAG, 31.5.2021

Goal-Setting

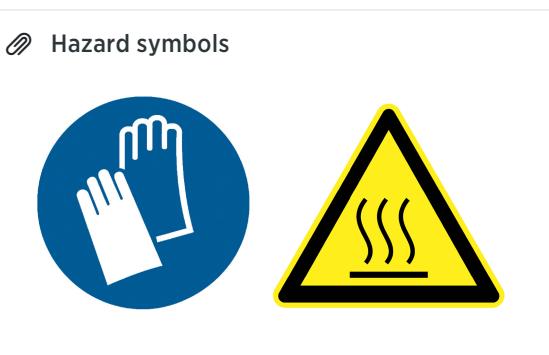
- Sterilization of various -laboratory materials

Terms / abbreviations

- None

Risk areas

- Wear heat protective gloves



Required materials and / or information

- Aluminium foil
- Autoclaving band
- MilliQ water, Sartorius arium pro VF
- Schottflask or beaker

Templates, devices, software

- Pressure cooker

Preliminary work

- None

Operation

- Cover the bottom of the pressure cooker with a water layer (MilliQ water) of at least 1 cm height
- Cover your beaker and the lid of your schottflask with aluminium foil and autoclaving band
- Make sure the lid of the schottflask is not completely closed and only 2/3 filled!

📎 Filled schottflask



📎 Aluminium foil



Covered lid



- Place your schottflask or beaker in the pressure cooker
- Put on the lid of the pressure cooker and ensure an overlapping of the handles
- Close the lid with the little blue counter on the handles
- Set the heating plate to level 3
- Rotate the timer to ~25 min and wait until the pressure indicator popped up completely
 - this only takes 5-7 mins

Setting the timer



- When the pressure indicator popped completely, set the heating plate to level 1 and rotate the timer to 21 min
- After the sterilization time of 21 min, take off the pressure cooker from the heating plate (and switch it off!) and put it on the table
- Wait 1.5 h until the pressure indicator dropped back completely
- Before open the lid, release the remaining pressure via the pressure valve
- Take out the stuff and place the pressure cooker back on the heating plate
- Make sure to touch the stuff after sterilizing only with gloves!

Troubleshooting

- None

Follow-up work

- None