

# 06\_03\_Casting-agar-plates

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## Goal-Setting

- Casting agar plates for cultivation

## Terms / abbreviations

- None

## Risk areas

- Hot agar

## Required materials and / or information

- Prepared agar medium
- Plastic petri dishes, ThermoFisher

## Templates, devices, software

- None

## Preliminary work

- [06\\_01\\_Preparation-of-LB-medium](#)

## Operation

- Let the agar cool down after autoclaving to approximately 60 °C
  - If there is a stirring fish in the bottle, let it stir while cooling down
- If necessary, add desired amount of antibiotic from stock solution to the 60 °C agar medium (under cleanbench!) before casting, stir afterwards
- Prepare the empty petri dishes by stacking 5-10 on top of each other (with the bigger lid on top)
- Lift the whole "tower" with one hand by lifting the lid of the bottom plate, with the other hand pour the liquid agar medium into the petri dish filling it approximately half
- Close the lid and lift the next lid, so that the "tower" can slowly be filled from the bottom to the top
- Let the agar set a few hours or over night and turn the plates around so the agar is at the top
- Store at 4 °C for approximately four weeks

## Disposal

- Dispose the agar plates in S1 waste

## Troubleshooting

- None

## Follow-up work

- None