

Generation of Agar plats with LB

Materials:

- Plates (one stock per 500 ml solution)
- Agar-Agar, Kobe I (Art.-Nr. 5210.3; Roth)
- LB-Medium (Luria/Miller) (Art.-Nr. X9681.1; Roth)
- Sterile Milli-Q water

Reagent preparation:

Per 1 l of water use 25 g LB and 15 g Agar:

- Add everything solid to one of the bottles with the turquoise lid (Max. volume 1 l)
- Measure 1 l of Milli-Q water and fill it in the bottle
- Mix thoroughly by shaking the bottle
- Put the liquid for autoclaving, therefore loosen up the lid a bit
- Use the liquid autoclaving program, therefore put the bottle of water in as well and place the white sensor inside of it
- After autoclaving the liquid can be either used directly or stored in 80 °C oven overnight

Pouring of plates (under a firmhood!):

- Step 1: Take the agar to the hood and wait until it is cool enough to touch the bottle without getting burned
- Step 2: Pour the agar in the plates (bottom should be thoroughly covered; 500 ml make ca. 20 plates)
- Step 3: Wait for the plates to solidify (takes around 30 up to 60 minutes); do NOT put the lid completely on top of the plate
- Step 4: Put the lids back on the plates und put them back in their sleeve
- Step 5: Plates should be stored top-bottom in the cool room at 4 °C