

# MYPGP Agar plates – 1 L

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## Introduction

How to make MYPGP agar plates.

## Materials

- 40 Sterile empty plates
- 15 g Yeast extract
- 10 g Mueller Hinton Broth
- 3 g  $K_2HPO_4$
- 1 g Sodium pyruvate
- dd.  $H_2O$
- 20 g/L Agar
- 2 g Glucose

## Procedure

- Day 1
  1. Mix all the components listed above EXCEPT the glucose and agar in a 2 L Medium flask
  2. Fill the Flask with a little bit of water (100 mL) and dissolve it through stirring (magnet stirrer)
  3. Put 20 g/L Agar in the flask
  4. Fill the flask with water to 980 mL and let it stir for a couple of minutes
    - this flask is now ready to be autoclaved
  5. Prepare a 20 mL 10% glucose solution in a 100 mL Media flask and dissolve it
    - remove the stir bar
  6. autoclave, 121 °C, 20 min
  7. when the flask has around 55 °C then add the glucose solution

8. pour the plates (per plate approx. 20 mL)
9. let the plates sit overnight at RT°C
10. make a sterile control
11. leave the rest of the plates overnight at RT to allow the water to evaporate, after that store the plates at 4 °C