

Microwavable Agar

Yield: 20 plates

Materials:

Coffee Filter
Kitchen Scale
Glass 4 c. Liquid Measuring Cup
Popsicle Stick
20 Petri Dishes

Ingredients:

10 g Nutrient Agar
250 ml Distilled Water

Directions:

1. Using the coffee filter as a bowl, weigh out 10 g of nutrient agar on the kitchen scale.
2. Measure 250 ml of distilled water using the glass 4 c. liquid measuring cup.
3. Add the agar in to the water and stir well using the Popsicle stick.
4. Microwave 1 minute at a time stirring carefully after each minute until the agar becomes a deep amber color. ****Watch carefully because it will quickly boil over towards the end****
5. Carefully lift the lid of a Petri dish just enough to pour a thin layer of agar onto the bottom and then replace the lid immediately to prevent contamination.
6. Pour the remaining plates.
7. Once the plates have slightly cooled and are solid they should be stored upside-down and in the fridge to prevent condensation from pooling on the agar.
8. Dispose of the coffee filter and Popsicle stick and thoroughly wash and sanitize the measuring cup.

Note:

You can make up to a double batch in the glass 4 c. liquid measuring cup. Start with 2 ½ minutes when doing a double batch and then 1 minute intervals from there.