

Directions For Use:

Agar

1. Product Summary

Agar is a mixture of agarose and agarpectin. Agar is required to give support to the explants for their proper growth. PCTs *Supreme Tissue Grade Agar* is suitable for culturing the explants in the lab environment. In our store you will find agar in powder form bottled in various sizes, according to culturists' needs. The available sizes of agar in the PCT store include bottles of **100 grams**, **500 grams**, and **1 Kg**.

2. Procedure

Materials Required:

- 1000 ml of Distilled Water
- 4.54 g of MS Media
- 6-10 g of Agar
- 30 g of Sugar
- 2 ml of PPM

Directions:

1. Take a beaker/pitcher and add 800 ml water to it.
2. Add 4.54 g of MS media, 30 grams of sugar, 6-10 grams of agar, and 2 ml of PPM (Plant Preservative Mixture-to avoid any kind of contamination from your cultures).
3. Then add the rest of the water (to make up the volume to 1000 ml or 1L).
4. Pour 25 ml into each 250 ml flask and place the lids.
5. Place all flasks in a pressure cooker and sterilize them for 20 minutes at 15 psi.
6. After sterilization, remove the containers and keep them for cooling.
7. Then, culture your explants in the containers containing media and agar. Soon after carefully culturing your plants, providing proper hormones and culture conditions, and proper acclimatization of plants, you will have beautiful plants.

3. Disposal Information

Agar can be discarded in everyday trash receptacles after use, but if it contains any biohazardous additives or compounds then it should be autoclaved before disposal.

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