

# Pseudoalteromonas Media Recipes

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## Abstract

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## Guidelines

### **Zobell plates, 100% nutrient (1 L)**

26 g sea salts

1 g yeast extract

5 g proteose peptone no. 2

fill to 1 L qH<sub>2</sub>O

12 g agar

Autoclave 1 L PZM for 50 min. Pour 10 ml/plate.

Grow Pseudoalteromonas in 50% nutrient PZM (Pseudoalteromonas Zobell Medium). For 50% nutrient PZM, reduce the amount of Proteose Peptone No. 2 in the above recipe to 2.5 g per 1L.

### **Zobell plates, 20% nutrient (1 L)**

26 g sea salts

0.2 g yeast extract

1 g proteose peptone no. 2

fill to 1 L qH<sub>2</sub>O

12 g agar

The 20% nutrient Zobell is used for plaque assay bottom agar.

### **Zobell liquid, (1 L)**

26 g sea salts

1 g yeast extract

5 g proteose peptone no. 2

fill to 1 L qH<sub>2</sub>O

### **Top Zobell agar (1 L)**

26 g sea salts

1 g yeast extract

5 g proteose peptone no. 2

fill to 1 L qH<sub>2</sub>O

6 g agar

Top agar is semi-solid (uses half the amount of agar as normal bottom agar).

**MSM (1 L)**

100 mM NaCl (5.8 g)

81.2 mM MgSO<sub>4</sub>·7H<sub>2</sub>O (20 g)

50 mM Tris base (3.02 g) OR 50 mL 1 M Tris (pH 7.6)

fill to 1 L qH<sub>2</sub>O

adjust to pH 7-8 if necessary

**Artificial seawater, 26 psu (ASW; 1 L)**

26 g sea salts

fill to 1 L qH<sub>2</sub>O

**Protocol**