

Cellulophaga Media Recipes

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Abstract

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Guidelines

Zobell plates (1 L)

15 g sea salts
1 g yeast extract
5 g peptone
fill to 1 L qH₂O
14 g agar

MLB (1 L)

15 g sea salts
0.5 g yeast extract
0.5 g peptone
0.5 g casamino acids
3 ml glycerol
fill to 1 L qH₂O

MSM (1 L)

450 mM NaCl (13.4 g)
50 mM MgSO₄·7H₂O (6.16 g)
50 mM Tris base (3.02 g) OR 50 mL 1 M Tris (pH 7.6)
fill to 1 L qH₂O
adjust to pH 7-8 if necessary

Top MSM (top agar; 1 L)

450 mM NaCl (13.4 g)
50 mM MgSO₄·7H₂O (6.16 g)
50 mM Tris base (3.02 g) OR 50 mL 1 M Tris (pH 7.6)
fill to 1 L qH₂O
adjust to pH 7-8 if necessary
6 g low melting point (LMP) agarose

Protocol