

246. SEA WATER AGAR

Beef extract	10.0	g
Peptone	10.0	g
Agar	20.0	g
Tap water	250.0	ml
Sea water*	750.0	ml

Dissolve beef extract and peptone by heating in tap water, adjust pH to 7.8 and boil for 10 min. Readjust pH to 7.3. Add agar and autoclave at 121°C for 20 min. Directly after autoclaving, add warm (55°C) sterile sea water. Liquid medium without agar should be combined when cooled to room temperature.

*Natural sea water is stored in the dark for at least three weeks to "age". If natural sea water is not available use artificial sea water.

Artificial sea water:

NaCl	28.13	g
KCl	0.77	g
CaCl ₂ x 2 H ₂ O	1.60	g
MgCl ₂ x 6 H ₂ O	4.80	g
NaHCO ₃	0.11	g
MgSO ₄ x 7 H ₂ O	3.50	g
Distilled water	1000.0	ml