

246. SEA WATER AGAR

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|--------------|-------|----|
| 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:

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|--|--------|----|
| 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 |