243. SEAWATER YEAST PEPTONE AGAR

Peptone 5.0 g
Yeast extract 3.0 g
Agar 12.0 g
Distilled water 250.0 ml
Filtered, aged seawater 750.0 ml
(see below)

Adjust pH to 7.8. Boil for 5 min, filter and readjust the pH to 7.3.

*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