

1283. SH SEAWATER MEDIUM

Peptone	0.20	g
Yeast extract	0.10	g
NH ₄ NO ₃	3.20	mg
NaCl	24.32	g
MgCl ₂ x 6 H ₂ O	10.00	g
CaCl ₂ x 2 H ₂ O	1.50	g
KCl	0.66	g
Na ₂ SO ₄	4.00	g
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Trace element solution	1.00	ml
HEPES	2.38	g
KBr (0.84M)	1.00	ml
H ₃ BO ₃ (0.4M)	1.00	ml
SrCl ₂ (0.15M)	1.00	ml
NH ₄ Cl (0.4M)	1.00	ml
KH ₂ PO ₄ (0.04M)	1.00	ml
NaF (0.07M)	1.00	ml
Vitamin solution	1.00	ml
NaHCO ₃	0.20	g
Distilled water	1000.00	ml

pH 7.5 – 8.5

To solid media add 15.0 g/l agar. Add the vitamin solution (filter sterilized) and the NaHCO₃ (0.2 g in 10 ml H₂O, filter sterilized) to the autoclaved, cooled medium.

Trace element solution:

25% HCl	10.000	ml
FeCl ₂ x 4 H ₂ O	1.500	g
CoCl ₂ x 6 H ₂ O	0.190	g
MnCl ₂ x 2 H ₂ O	0.100	g
ZnCl ₂	0.036	g
Na ₂ MoO ₄ x 2 H ₂ O	10.000	g
NiCl ₂ x 6 H ₂ O	0.024	g
H ₃ BO ₃	0.600	mg
CuCl ₂ x 2 H ₂ O	0.200	mg
Double distilled water	990.000	ml

Vitamin solution:

<i>para</i> -Aminobenzoic acid	25.0	mg
Folic acid	10.0	mg
Biotin	10.0	mg
Nicotinic acid	25.0	mg
Ca pantothenate	25.0	mg
Riboflavin	25.0	mg
Thiamine hydrochloride	25.0	mg
Pyridoxine hydrochloride	25.0	mg
Cyanocobalamine	25.0	mg
Lipoic acid	25.0	mg
Double distilled water	1000.0	ml