

1227. RHODOBACA BARGUZINENSIS MEDIUM

KH ₂ PO ₄	0.5	g
NaCl	20.0	g
NaNO ₃	0.4	g
NH ₄ Cl	0.4	g
Na ₂ SO ₄	0.5	g
MgCl ₂ x 6 H ₂ O	0.2	g
Yeast extract	1.0	g
Na ₂ S ₂ O ₃ x 5 H ₂ O	1.0	g
KCl	0.5	g
Na ₂ CO ₃	10.0	g
NaHCO ₃	5.0	g
Trace element solution SL7	1.0	ml
Vitamin B ₁₂ (20mg/l)	0.5	ml
Distilled water	1000.0	ml
Adjust pH to 9.0-9.5		

Trace element solution SL7:

HCl (25%, v/v)	1.0	ml
ZnCl ₂	70.0	mg
MnCl ₂ x 4 H ₂ O	100.0	mg
H ₃ BO ₃	60.0	mg
CoCl ₂ x 6 H ₂ O	200.0	mg
CuCl ₂ x 2 H ₂ O	20.0	mg
NiCl ₂ x 6 H ₂ O	20.0	mg
Na ₂ MoO ₄ x 2 H ₂ O	40.0	mg
Distilled water	1000.0	ml

Prepare and boil the medium in the absence of Na₂S₂O₃ x 5 H₂O, NaHCO₃, Vitamin B₁₂, MgCl₂ x 6 H₂O. Cool under a stream of nitrogen and add the remaining components, except vitamin B₁₂ and Na₂S₂O₃ x 5 H₂O. Dispense into tubes or bottle fitted with rubber stoppers and autoclave. Add the vitamin B₁₂ (filter sterilized) and Na₂S₂O₃ x 5 H₂O from sterile stock solutions.