

1218. ROSEINATRONOBACTER MONICUS MEDIUM

NH ₄ Cl	0.4	g
KH ₂ PO ₄	0.5	g
MgCl ₂ x 6 H ₂ O	0.2	g
Na ₂ SO ₄	0.5	g
NaNO ₃	0.4	g
NaCl	40.0	g
KCl	0.5	g
NaHCO ₃	10.0	g
Na ₂ CO ₃	5.0	g
Na ₂ S ₂ O ₃ x 5 H ₂ O	1.0	g
Vitamin B ₁₂	10.0	µg
Sodium pyruvate	1.0	g
Sodium acetate	1.0	g
Peptone	1.0	g
Yeast extract	1.0	g
Trace element solution (SL10)	1.0	ml
Distilled water	1000.0	ml

Trace element solution SL10

HCl (concentrated)	5.000	ml
FeCl ₂ x 4 H ₂ O	1.500	g
ZnCl ₂	0.070	g
MnCl ₂ x 4 H ₂ O	0.200	g
H ₃ BO ₃	0.006	g
CoCl ₂ x 6 H ₂ O	0.190	g
CuCl ₂ x 2 H ₂ O	0.002	g
NiCl ₂ x 6 H ₂ O	0.024	g
Na ₂ MoO ₄ x 2 H ₂ O	0.036	g
Distilled water	1000.000	ml

Autoclave the NaHCO₃ and Na₂CO₃ separately and add to the medium. Add the vitamin B₁₂ solution from a filter sterilised stock solution to the autoclaved, cooled medium. Final is pH 9.0 - 9.5.