

1183. ROSEICYCLUS MEDIUM

KCl	0.3	g
NH ₄ Cl	0.3	g
MgSO ₄	2.0	g
Na ₂ SO ₄	15.0	g
Malic acid	1.0	g
Na acetate	1.0	g
Yeast extract	1.0	g
Bactopeptone	0.5	g
Trace elements (see below)	2.0	ml
Vitamins (see below)	2.0	ml
Distilled water	1000.0	ml

pH is about 5.9 before autoclaving.

Add to the autoclaved medium the following, from sterile stock solutions

K ₂ HPO ₄ (10%)	3.0	ml
NaHCO ₃ (10%)	5.0	ml
CaCl ₂ (10%)	0.5	ml

The pH of the final medium should be 8.0-8.5.

Vitamin solution

Nicotinic acid	400.0	mg
Thiamine	400.0	mg
Biotin	80.0	mg
Vitamin B ₁₂	0.5	mg
Distilled water	1000.0	ml

Filter sterilise

Trace elements solution

FeSO ₄ x 7 H ₂ O	300.0	mg
ZnSO ₄ x 7 H ₂ O	5.0	mg
MnCl ₂ x 4 H ₂ O	3.0	mg
H ₃ BO ₃	2.0	mg
CoCl ₂ x 6 H ₂ O	1.0	mg
CuCl ₂ x 2 H ₂ O	2.0	mg
NiCl ₂ x 6 H ₂ O	3.0	mg
Na ₂ MoO ₄ x 2 H ₂ O	3.0	mg
Distilled water	1000.00	ml

Adjust the pH to 3.0 with HCl and filter sterilise, store at 4°C.