

1019. ROUF'S MEDIUM

Yeast extract	5.00	g
Peptone	5.00	g
MgSO ₄ x 7 H ₂ O	0.20	g
CaCl ₂ x 6 H ₂ O	0.05	g
Fe(NH ₃)citrate	0.015	g
MnSO ₄ x 4 H ₂ O	0.05	g
FeCl ₃ x 4 H ₂ O	0.01	g
Vitamin solution (see medium 141)	10.00	ml
Trace elements solution (see below)	1.00	ml
Distilled water	1000.00	ml
pH 7.1 (adjusted with NaOH if needed)		

The medium may be solidified with 17 g/l agar.

Trace elements solution:

Nitrilotriacetic acid	12.80	g
CoCl ₂ x 6 H ₂ O	0.17	g
CaCl ₂ x 2 H ₂ O	0.10	g
FeSO ₄ x 7 H ₂ O	0.10	g
MnCl ₂ x 4 H ₂ O	0.10	g
NaCl	0.10	g
Na ₂ MoO ₄ x 2 H ₂ O	0.10	g
Distilled water	1000.00	ml

First dissolve the nitrilotriacetic acid and adjust the pH to 6.5 with KOH, then add the minerals. The final pH is 7.0, adjusted with KOH.