

R 8 A H Medium

Malic acid	2.5	g
Yeast Extract	1.0	g
(NH ₄) ₂ SO ₄	1.25	g
MgSO ₄ x 7H ₂ O	0.2	g
CaCl ₂ x 2H ₂ O	0.07	g
Ferric citrate	0.01	g
EDTA	0.02	g
KH ₂ PO ₄	0.6	g
K ₂ HPO ₄	0.9	g
Trace elements (see below)	1.0	ml
Vitamin Solution (see below)	7.5	ml
DI Water up to	1.0	L

Neutralize malic acid with NaOH and adjust pH of the completed medium for a final pH of 6.9.

Trace Elements:

Ferric citrate	0.3	g
MnSO ₄ x H ₂ O	0.002	g
H ₃ BO ₃	0.001	g
CuSO ₄ x 5H ₂ O	0.001	g
(NH ₄) ₆ Mo ₇ O ₂₄ x 4H ₂ O	0.002	g
ZnSO ₄ x 7H ₂ O	0.001	g
EDTA	0.05	g
CaCl ₂ x 2H ₂ O	0.02	g
DI Water	100.0	ml

Vitamin Solution:

Nicotinic acid	0.2	g
Nicotinamide	0.2	g
Thiamine HCl	0.4	g
Biotin	0.008	g
DI Water	1.0	L