

1372. SUCCINATE MINIMAL SALTS MEDIUM (SMS)

EDTA	0.010	g
KH ₂ PO ₄	0.600	g
K ₂ HPO ₄	0.900	g
NH ₄ Cl	1.000	g
MgSO ₄ x 7 H ₂ O	0.200	g
CaCl ₂ x6H ₂ O	0.075	g
Na.succinate	2.200	g
Yeast extract	0.100	g
Trace elements solution (see below)	2.000	ml
Vitamin solution (see below)	2.000	ml
Distilled water	1000.000	ml

Adjust pH to 6.8.

Prepare the medium without the vitamin solution.

Autoclave and add the vitamin solution from a filter-sterilised stock solution.

Trace elements solution

FeSO ₄ x 6 H ₂ O	0.300	g
ZnSO ₄ x 7H ₂ O	0.005	g
MnCl ₂ x 4 H ₂ O	0.003	g
H ₃ BO ₃	0.002	g
CoCl ₂ x 6 H ₂ O	0.005	g
CuCl ₂ x 2 H ₂ O	0.001	g
NiCl ₂ x 6H ₂ O	0.002	g
Na ₂ MoO ₄ x 2 H ₂ O	0.003	g
Distilled water	1000.000	ml

Vitamin solution:

Biotin	80	mg
Thiamine-HCl x 2 H ₂ O	400	mg
Nicotinic acid	400	mg
Vitamin B ₁₂	20	mg
Distilled water	1000	ml