

20: C Medium, Modified

Final pH: 7.5

Final volume: 1000 ml

Mail sol. C₂₀

KNO ₃	0.10	g
Ca(NO ₃) ₂ x 4 H ₂ O	0.15	g
Sodium glycerophosphate	0.05	g
MgSO ₄ x 7 H ₂ O	0.04	g
Tris(hydroxymethyl)aminomethane	0.50	g
Trace element solution	3.00	ml
Vitamin B₁ solution	1.00	ml
Vitamin B₁₂ solution	1.00	ml
Biotin solution	10.00	ml
Distilled water	1000.00	ml
Agar, for solid medium	15.00	g

Dissolve the TRIS buffer into 900 ml distilled water, then add the remaining components. Bring to 1 litre with distilled water. For agar add 15 g per litre Bacterial Agar. Autoclave at 15 psi for 15 minutes. Final pH should be 7.5.

Trace element solution

Distilled water	1000.00	ml
Na ₂ -EDTA	0.75	g

Add to 1000 ml of distilled water 0.75 g Na₂EDTA and the minerals in exactly the following sequence:

FeCl ₃ x 6 H ₂ O	97.00	mg
MnCl ₂ x 4 H ₂ O	41.00	mg
ZnCl ₂ x 6 H ₂ O	5.00	mg
CoCl ₂ x 6 H ₂ O	2.00	mg
Na ₂ MoO ₄ x 2 H ₂ O	4.00	mg

Vitamin B₁ solution

Thiamine hydrochloride (Vitamin B ₁)	0.12	g
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Filter sterile

Vitamin B₁₂ solution

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Cyanocobalamine (Vitamin B ₁₂)	0.10	g
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Take 1 ml of this solution and add 99 ml Deionised water. Filter sterile.

Biotin solution

Biotin	0.005	g
Distilled water	100.000	ml

Filter sterile.