20: C Medium, Modified

Final pH: 7.5
Final volume: 1000 ml

Mail sol. C_{20}

KNO_3	0.10	g
$Ca(NO_3)_2$ x 4 H_2O	0.15	g
Sodium glycerophosphate	0.05	g
$MgSO_4$ x 7 H_2O	0.04	g
Tris(hydroxymethyl)aminomethane	0.50	g
Trace element solution	3.00	ml
Vitamin B_1 solution	1.00	ml
Vitamin B_{12} 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_2O	97.00	mg
$MnCl_2$ x 4 H_2O	41.00	mg
$ZnCl_2$ x 6 H_{20}	5.00	mg
$CoCl_2$ x 6 H_2O	2.00	mg
Na_2MoO_4 x 2 H_2O	4.00	mg

Vitamin B_1 solution

Thiamine hydrochloride (Vitamin B_1)	0.12	g

Filter sterile

Vitamin B_{12} solution

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Cyanocobalamine (Vitamin B_{12})	0.10	g

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.

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