512: A1 MEDIUM

Final pH: 6.8
Final volume: 1020 ml

NaCl	20.00	g
KCl	0.77	g
NH_4Cl	0.25	g
KH_2PO_4	0.10	g
$MgSO_4$ x 7 H_2O	0.20	g
DL vitamins (refrigerated)	10.00	ml
DL minerals (refrigerated)	10.00	ml
$NaHCO_3$	2.00	g
Distilled water	1000.00	ml

Mix ingredients except $NaHCO_3$, adjust pH to 6.8 and add $NaHCO_3$ to the medium. Dispense the medium (9 ml) into 26-ml anaerobic pressure tubes under a stream of oxygen-free N_2-CO_2 (80:20) and seal. After autoclaving, aseptically and anaerobically add 0.2 ml APM salts solution and 0.1 ml Sulfide stock solution and 0.1 ml Galactose stock solution.

DL minerals (refrigerated)

Nitrilotriacetic acid, trisodium salt	1.500	g
$MgSO_4$ x 7 H_2O	3.000	g
$MnSO_4$ x n H_2O	0.500	g
NaCl	1.000	g
$FeSO_4$ x 7 H_2O	0.100	g
$CaCl_2$ x 2 H_2O	0.100	g
$CoCl_2$ x 6 H_2O	0.100	g
$ZnCl_2$	0.130	g
$CuSO_4$ x 5 H_2O	0.010	g
$AlK(SO_4)_2$ x 12 H_2O	0.010	g
H_3BO_3	0.010	g
Na_2MoO_4 x 2 H_2O	0.025	g
$NiCl_2$ x 6 H_2O	0.024	g
Na_2WO_4 x 2 H_2O	0.025	g
Distilled water	1000.000	ml

DL vitamins (refrigerated)

Biotin	2.00	mg
Pantothenic acid	5.00	mg

Vitamin B_{12}	0.10	mg
p-Aminobenzoic acid	5.00	mg
Thioctic acid	5.00	mg
Nicotinic acid	5.00	mg
Thiamine HCl	5.00	mg
Riboflavin	5.00	mg
Pyridoxine hydrochloride	0.01	g
Folic acid	2.00	mg
Distilled water	1000.00	ml

APM salts solution (autoclaved)

$MgCl_2$ x 6 H_2O	21.20	g
$CaCl_2$ x 2 H_2O	3.04	g
Distilled water	100.00	ml

Sulfide stock solution (autoclaved)

Na_2S x 9 H_2O	0.40	g
Distilled water	10.00	ml

Galactose stock solution (filter-sterilized)

Galactose	0.901	g
Distilled water	10.000	ml