

Main sol. J830

NH ₄ Cl	1.00	g
KH ₂ PO ₄	0.30	g
K ₂ HPO ₄	0.30	g
Na ₂ SO ₄	2.80	g
NaCl	20.00	g
KCl	0.10	g
CaCl ₂ x 2 H ₂ O	0.10	g
Na ₂ S ₂ O ₃ x 5 H ₂ O	3.16	g
Yeast extract	0.10	g
Trace element solution	1.00	ml
L-Cysteine HCl x H ₂ O	0.50	g
Resazurin	1.00	mg
Distilled water	900.00	ml

1. To complete the medium, aseptically and anaerobically add the following stock solutions (per liter, final volume):

Sodium lactate (1.0 M)	20.00	ml
MgCl ₂ x 6 H ₂ O (15%)	20.00	ml
NaHCO ₃ (5%)	40.00	ml
Na ₂ S x 9 H ₂ O (2%)	20.00	ml

2. Mix ingredients and adjust pH to 7.4. Bring to a boil and cool down under a N₂-CO₂ (4:1, v/v) gas stream. Distribute the medium into culture tubes under the same gas mixture, seal with butyl rubber stoppers and autoclave.

3. Filter-sterilize NaHCO₃ solution and store under a N₂-CO₂ (4:1, v/v) gas mixture. The other solutions are autoclaved and stored anaerobically under a N₂ atmosphere.

4. Readjust pH of the medium to 7.4, if necessary.