

Main sol. 720

NH ₄ Cl	1.00	g
NaCl	0.10	g
MgCl ₂ x 6 H ₂ O	0.10	g
CaCl ₂ x 2 H ₂ O	0.05	g
K ₂ HPO ₄ x 3 H ₂ O	0.40	g
Trace element solution SL-11	1.00	ml
Selenite-tungstate solution	1.00	ml
Yeast extract	1.00	g
Sodium resazurin (0.1% w/v)	0.50	ml
NaHCO ₃	2.60	g
Na-pyruvate	2.50	g
Na ₂ S ₂ O ₃ x 5 H ₂ O	1.25	g
Wolin's vitamin solution (10x)	1.00	ml
Na ₂ S x 9 H ₂ O	0.30	g
Distilled water	1000.00	ml

Dissolve ingredients (except bicarbonate, pyruvate, thiosulfate, vitamins and sulfide), then sparge medium with 80% N₂ and 20% CO₂ gas mixture for 30 - 45 min to make it anoxic. Add bicarbonate and adjust pH to 7.0 - 7.2, then dispense under 80% N₂ and 20% CO₂ gas atmosphere into anoxic Hungate-type tubes or serum vials and autoclave. Prior to use add pyruvate, thiosulfate, vitamins, and sulfide from sterile anoxic stock solutions prepared under 100% N₂ gas. Stock solutions of pyruvate and vitamins are sterilized by filtration.