

Main sol. 964

Sea Salt (SIGMA)	30.00	g
PIPES buffer (SIGMA)	6.05	g
D-Glucose	5.00	g
Sodium resazurin (0.1% w/v)	0.50	ml
Sulfur (powdered)	12.00	g
Peptone (BD Bacto)	1.00	g
Yeast extract (BD Bacto)	0.50	g
Na ₂ S x 9 H ₂ O	0.50	g
Distilled water	1000.00	ml

Dissolve ingredients (except sulfur, peptone, yeast extract, and sulfide), sparge medium with 80% N₂ and 20% CO₂ gas mixture for 30 - 45 min to make it anoxic. Adjust pH to 7.2 - 7.4, then dispense medium under the same gas atmosphere into anoxic Hungate-type tubes or serum vials containing already the appropriate amount of sulfur and autoclave at **110°C** for 20 min. Add peptone, yeast extract and sulfide from sterile anoxic stock solutions prepared under 100% N₂ gas. The pH of the complete medium should be 7.5.