

943. SEDIMENTIBACTER SAALENSIS MEDIUM

(NH ₄)HCO ₃	0.45	g
CaCl ₂ x 2 H ₂ O	0.12	g
MgSO ₄ x 6 H ₂ O	0.13	g
Trace element solution SL-10 (see medium 320)	1.00	ml
Selenite-tungstate solution (see medium 385)	1.00	ml
Yeast extract	3.00	g
NaHCO ₃	3.80	g
Na-resazurin solution (0.1% w/v)	0.50	ml
Sodium/Potassium-phosphate buffer(1 M, pH 7.3)	10.00	ml
Glycine	0.75	g
L-Arginine x HCl	2.11	g
Vitamin solution (see medium 503)	1.00	ml
Na ₂ S x 9 H ₂ O (3% w/v)	0.15	g
Distilled water	1000.00	ml

Dissolve ingredients (except bicarbonate, phosphate buffer, glycine, arginine, 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 7.3, then dispense medium under same gas atmosphere into anoxic Hungate-type tubes or serum vials and autoclave. After autoclaving add phosphate buffer, glycine, arginine, vitamins (sterilized by filtration), and sulfide from sterile anoxic stock solutions prepared under 100% N₂ gas atmosphere. Prior to inoculation add 10 - 20 mg sodium dithionite per liter medium from a 5% (w/v) stock solution, freshly prepared under 100% N₂ gas and filter-sterilized.