

292. ACIDAMINOBACTER MEDIUM

Glycine	1.50	g
Na ₂ SO ₄	3.00	g
KH ₂ PO ₄	0.20	g
MgCl ₂ x 6 H ₂ O	0.40	g
NaCl	1.20	g
CaCl ₂ x 2 H ₂ O	0.15	g
KCl	0.40	g
Yeast extract	0.20	g
Trace element solution SL-10 (see medium 320)	1.00	ml
Selenite-tungstate solution (see medium 385)	1.00	ml
Na-resazurin solution (0.1% w/v)	0.50	ml
NaHCO ₃	2.00	g
Vitamin solution (see medium 141)	10.00	ml
Na ₂ S x 9 H ₂ O	0.30	g
Distilled water	1000.00	ml

Dissolve ingredients (except bicarbonate, vitamins and sulfide), adjust pH to 6.5, then sparge with 100% N₂ gas for 30 – 45 min to make it anoxic and dispense under same gas atmosphere into anoxic Hungate-type tubes or serum vials. After autoclaving complete the medium by adding vitamins and sulfide from sterile anoxic stock solutions prepared under 100% N₂ gas and bicarbonate from a sterile anoxic stock solution prepared under 80% N₂ and 20% CO₂ gas mixture. Vitamins are sterilized by filtration. Adjust pH of the complete medium to 7.4 - 7.5, if necessary.