

1082. AMINIPHILUS MEDIUM

KH ₂ PO ₄	0.20	g
NH ₄ Cl	0.30	g
NaCl	1.00	g
MgCl ₂ x 6 H ₂ O	0.40	g
KCl	0.50	g
CaCl ₂ x 2 H ₂ O	0.15	g
Trace element solution SL-10 (see medium 320)	1.00	ml
Casamino acids (BD Bacto)	10.00	g
Trypticase peptone (BD BBL)	10.00	g
Na-resazurin solution (0.1% w/v)	0.50	ml
NaHCO ₃	2.50	g
Vitamin solution (see medium 141)	10.00	ml
Na ₂ S x 9 H ₂ O	0.60	g
Distilled water	1000.00	ml

Dissolve ingredients (except bicarbonate, vitamins and sulfide), then sparge medium for 30 – 45 min with 80% N₂ and 20% CO₂ gas mixture to make it anoxic. Dispense under same gas atmosphere into anoxic Hungate-type tubes or serum vials and autoclave. Add vitamins (sterilized by filtration) 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 atmosphere. The pH of the complete medium should be 7.1.