

685. ANAEROBRANCA MEDIUM

KH ₂ PO ₄	0.50	g
Na ₂ HPO ₄ x 2 H ₂ O	3.90	g
KCl	0.50	g
Yeast extract	5.00	g
Trace element solution (see medium 141)	5.00	ml
Na ₂ -fumarate	1.50	g
Vitamin solution (see medium 141)	10.00	ml
L-Cysteine-HCl x H ₂ O	0.15	g
Na ₂ S x 9 H ₂ O	0.15	g
Distilled water	1000.00	ml

Dissolve ingredients (except fumarate, vitamins, cysteine and sulfide), adjust pH to 8.5 and sparge medium with 100% N₂ gas for 30 – 45 min to make it anoxic. Dispense medium under same gas atmosphere into anoxic Hungate-type tubes or serum vials and autoclave. After sterilization add fumarate, vitamins, cysteine and sulfide from sterile anoxic stock solutions prepared under 100% N₂ gas. Stock solutions of fumarate and vitamins are sterilized by filtration. Adjust pH of complete medium to 8.5, if necessary.