

1505a. PROTEINIVORAX HYDROGENIFORMANS MEDIUM

KH ₂ PO ₄	0.30	g
MgCl ₂ x 6 H ₂ O	0.20	g
MgSO ₄ x 7 H ₂ O	0.12	g
CaCl ₂ x 2 H ₂ O	0.03	g
NaCl	50.00	g
Tryptone (BD Bacto)	5.00	g
Trace element solution SL-10 (see medium 320)	1.00	ml
Selenite-tungstate solution (see medium 385)	1.00	ml
Na ₂ CO ₃	5.00	g
NaHCO ₃	18.00	g
Vitamins solution (see medium 503)	1.00	g
Distilled water	1000.00	ml

Dissolve ingredients (except sodium carbonate, sodium hydrogencarbonate and vitamins), then sparge medium with 100% N₂ gas for 30 - 45 min to make it anoxic. Add carbonate and hydrogencarbonate, adjust pH to 8.5 – 9.0, dispense medium under 100% N₂ gas atmosphere into anoxic Hungate-type tubes or serum vials and autoclave. After autoclaving add vitamins from an anoxic stock solution prepared under 100% N₂ gas and sterilized by filtration.