

1599. CONTUBERNALIS MEDIUM

NH ₄ Cl	0.5	g
KH ₂ PO ₄	0.2	g
MgCl ₂ x 6 H ₂ O	0.1	g
KCl	0.2	g
NaCl	4.2	g
Na ₂ SO ₄	3.0	g
Yeast extract	0.2	g
Trace element solution SL-10 (see medium 320)	1.0	ml
Selenite-tungstate solution (see medium 385)	1.0	ml
Na-resazurin solution (0.1% w/v)	0.5	ml
NaHCO ₃	3.3	g
NaCO ₃	6.5	g
Na-acetate	3.0	g
Na ₂ S x 9 H ₂ O	0.5	g
Distilled water	1000.0	ml

Dissolve ingredients (except carbonates, acetate and sulfide) and sparge medium with 100% N₂ gas for 30 – 45 min to make it anoxic. Then, add and dissolve bicarbonate and carbonate, adjust pH to 9.5, dispense under 100% N₂ gas atmosphere into anoxic Hungate-type tubes or serum vials and autoclave. After sterilization add acetate and sulfide from sterile anoxic stock solutions autoclaved under 100% N₂ gas atmosphere. Adjust pH of complete medium to 9.5 – 9.7, if necessary.