

483. DEFLUVIITALEA MEDIUM

KH ₂ PO ₄	0.3	g
K ₂ HPO ₄	0.3	g
NH ₄ Cl	1.0	g
NaCl	1.0	g
MgCl ₂ x 6 H ₂ O	1.0	g
CaCl ₂ x 2 H ₂ O	0.1	g
KCl	0.1	g
Trace element solution (see medium 141)	10.0	ml
Yeast extract	2.0	g
Na-resazurin solution (0.1% w/v)	0.5	ml
L-Cysteine-HCl x H ₂ O	0.5	g
NaHCO ₃	2.0	g
D-Glucose	4.0	g
Na ₂ S x 9 H ₂ O	0.3	g
Distilled water	1000.0	ml

Dissolve ingredients (except cysteine, bicarbonate, glucose and sulfide) and sparge medium with 80% N₂ and 20% CO₂ gas mixture for 30 – 45 min to make it anoxic. Add cysteine and adjust pH to 6.5, then dispense medium under same gas atmosphere into anoxic Hungate-type tubes or serum vials and autoclave. After sterilization add glucose 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. Adjust pH of complete medium to pH 7.2 -7.4, if necessary.