1328. DEFLUVIITOGA MEDIUM

KH_2PO_4	0.3	g
K_2HPO_4	0.3	g
NH_4Cl	1.0	g
NaCl	1.0	g
KCl	0.1	g
$MgCl_2$ x 6 H_2O	0.5	g
$CaCl_2$ x 2 H_2O	0.1	g
Trace element solution SL-10 (see medium 320)	1.0	ml
Yeast extract (OXOID)	1.0	g
Na-resazurin solution (0.1% w/v)	0.5	ml
Sulfur, powdered	10.0	g
L-Cysteine-HCl x H_2O	0.5	g
Trypticase peptone (BD BBL)	2.0	g
Na_2Fumarate	3.2	g
Na_2CO_3	1.0	g
Na_2S x 9 H_2O	0.5	g
Distilled water	1000.0	ml

Dissolve ingredients (except sulfur, cysteine, peptone, fumarate, carbonate and sulfide) and sparge medium with 80% N_2 and 20% CO_2 gas mixture for 30 – 45 min to make it anoxic. Add and dissove cysteine, then dispense under 80% N_2 and 20% CO_2 gas atmosphere into anoxic Hungate-type tubes or serum vials containing already the appropriate amount of sulfur and autoclave. Add peptone, fumarate and sulfide from sterile anoxic stock solutions prepared under 100% N_2 gas and carbonate from a sterile anoxic stock solution prepared under 80% N_2 and 20% CO_2 gas mixture. Adjust pH of the complete medium to 7.0.

For DSM 24444 omit Trypticase peptone and fumarate. Increase amount of yeast extract to 2.0 g/l and supplement medium with 0.2 g/l Na-acetate and 0.6 g/l DL-lactate added after autoclaving from sterile anoxic stock solutions prepared under 100% N_2 gas.

For DSM 25546 omit Trypticase peptone and fumarate. Increase amount of yeast extract to 2.0 g/l, supplement medium with 0.2 g/l Na-acetate and add 3.0 g/l D-xylose after autoclaving from anoxic stock solutions prepared under 100% N_2 gas and sterilized by filtration.

For DSM 29926 supplement medium with 6.0 g/l D-glucose added to the medium after autoclaving from a sterile anoxic stock solution prepared under 100% N_2 gas.