

1526b. KIRITIMATIELLA (TYG) MEDIUM

Sea Salts (SIGMA)	60.0	g
Wolfe's mineral elixir (see medium 792)	1.0	ml
Trypticase peptone (BD BBL)	1.0	g
Yeast extract (OXOID)	1.0	g
Glucose	1.0	g
Na-resazurin solution (0.1% w/v)	0.5	ml
Na ₂ CO ₃	1.0	g
Vitamins solution (see medium 141)	10.0	ml
L-Cysteine-HCl x H ₂ O	0.5	g
Na ₂ S x 9 H ₂ O	0.5	g
Distilled water	1000.0	ml

Dissolve ingredients except carbonate, vitamins, cysteine and sulfide, then sparge medium with 80% N₂ and 20% CO₂ gas mixture for 30 – 45 min to make it anoxic. Dispense medium under the same gas atmosphere into anoxic Hungate-type tubes or serum vials and autoclave. Add glucose, vitamins, cysteine and sulfide from sterile anoxic stock solutions prepared under 100% N₂ gas (vitamins are sterilized by filtration) and carbonate from a sterile anoxic stock solution prepared under 80% N₂ and 20% CO₂ gas mixture. Prior to use adjust pH of complete medium to 7.3 - 7.5, if necessary.