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
Na₂CO₃ 1.0 g
Vitamins solution (see medium 141) 10.0 ml
L-Cysteine-HCl x H₂O 0.5 g
Na₂S x 9 H₂O 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.