1008. SEDIMINISPIROCHAETA MEDIUM

Trypticase peptone (BD BBL) 2.0 g
Yeast extract 1.0 g
Na-resazurin solution (0.1% w/v) 0.5 ml
Na-thioglycolate 1.0 g
Celllobiose 2.0 g
Charcoal-filtered, natural seawater 800.0 ml
Distilled water 200.0 ml

Dissolve ingredients except thioglycolate and celllobiose, then sparge medium with 100% N₂ gas for 30 – 45 min to make it anoxic. Add thioglycolate and adjust pH of medium to 7.5 with 10 N KOH. Dispense medium under 100% N₂ gas atmosphere into anoxic Hungate-type tubes or serum vials and autoclave at 121°C for 15 min. Add celllobiose from a sterile anoxic stock solution prepared under 100% N₂ gas atmosphere and sterilized by filtration.

*Note: Bottled seawater from Biomaris GmbH can be used instead of filtered seawater.*

For DSM 16308, DSM 19205 and DSM 19230 replace celllobiose with 5.0 g/l D-glucose.

For DSM 100344 replace celllobiose with 5.0 g/l D-xylose.