

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
Cellobiose	2.0	g
Charcoal-filtered, natural seawater	800.0	ml
Distilled water	200.0	ml

Dissolve ingredients except thioglycolate and cellobiose, 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 cellobiose 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 19205](#) and [DSM 19230](#) replace cellobiose with 5.0 g/l D-glucose.

For [DSM 100344](#) replace cellobiose with 5.0 g/l D-xylose.