

Cell-free culture supernatant of *S. associata*

1. Cultivate *Sphaerochaeta associata* [DSM 26261](#) in DSM medium 119 supplemented with 1.00 g/l glucose at 28°C until stationary phase is reached (7-10 days). Centrifuge culture at 3500 xg for 30 min, then sterilize supernatant by filtration and add it to the anoxic solution A before autoclaving.
2. Note: It is also possible to add 50.00 ml/l of a grown *S. associata* culture to solution A before autoclaving, provided bacterial DNA from dead cells is not a problem in the downstream processing of the Methanothrix culture.