ATCC Medium 1875: Desulfobacterium Medium with 10mM Lactate

Solution A:
Na_2SO_4……. 3.0 g
KH_2PO_4…… 0.2 g
NH_4Cl…….. 0.3 g
NaCl…… 21.0 g
$MgCl_2$ x $6H_2O$……. 3.0 g
KCl…….. 0.5 g
$CaCl_2$ x $2H_2O$…….. 0.15 g
Resazurin……. 1.0 mg
10mM Lactate…….……. 1.12 g
Distilled water…….. 930.0 mL

Solution B:
Trace element solution SL-10 (see Medium 1601)….. 1.0 mL

Solution C:
$NaHCO_3$ ……. 2.5 g
Distilled water…….. 50.0 mL

Solution D:
Wolfe's vitamin solution (see Medium 1019)……. 10.0 mL

Solution E:
Na_2SeO_3 x $5H_2O$ (solution)
3.0 mg in 1L 0.01M NaOH…….. 1.0 mL

***Solution F:**
Na_2S x $9H_2O$……. 0.4 g
Distilled water…….. 10.0 mL

Solution A is prepared and autoclaved anaerobically under 80%N_2/20%CO_2.
Solution C is filter-sterilized and gassed for 20 minutes with N_2/CO_2.
Solutions B, D, and E are filter-sterilized and gassed with N_2.
Solution F is autoclaved under N_2.

Solutions B to E are added to the sterile, cooled Solution A in the sequence indicated.

Final pH of the medium should be 7.0.

*Solution F should be added at time of inoculation. Autoclave under N_2 and send as separate solution.

Addition of 10-20 mg sodium dithionite per liter (e.g. from 5% w/v solution freshly prepared under N_2 and filter-sterilized) may stimulate growth of all strains at the beginning. For transfers use 5-10% inoculum. Incubate all strains in the dark.