ATCC medium: 1646 *Desulfovibrio sulfodismutans* medium

Solution A:
KH_2PO_4 .....0.2 g
NH_4Cl .....0.3 g
NaCl.....1.0 g
$MgCl_2$. $6H_2O$ .....0.4 g
KCl.....0.5 g
$CaCl_2$. $2H_2O$ .....0.15 g
Distilled water.....920.0 ml

Solution B:
Trace element solution SL-10 (see below).....1.0 ml

Solution C:
$NaHCO_3$ .....2.5 g
Distilled water.....50.0 ml

Solution D:
Sodium acetate . $3H_2O$.....0.3 g
Distilled water.....10.0 ml

Solution E:
D(+)-Biotin.....10.0 mcg
Calcium D-(+)-pantothenate.....50.0 mcg
Distilled water.....1.0 ml

Solution F:
Na_2S . $9H_2O$ .....0.4 g
Distilled water.....10.0 ml

Solution G:

$Na_2S_2O_5$ 0.5 M, pH to 7.5-8.0 with NaOH.....10.0 ml

Prepare and autoclave Solution A anaerobically under 80% N_2, 20% CO_2. Outgas Solutions B, D, E and F with N_2 and autoclave separately. Filter-sterilize Solution C (outgassed with 80% N_2, 20% CO_2) and Solution G* (outgassed with N2). Add Solutions B through G to the sterile, cooled Solution A in the sequence indicated. Final pH of the medium is 7.1-7.4.

When growth has started, feed culture again with same amount of Solution G. Repeat feeding once more after two days.

*Store Solution G at +4 C.

Trace Elements Solution SL-10:

HCl (25%)	10.0 ml
$FeCl_2 \cdot 4H_2O$	1.5 g
$ZnCl_2$	70.0 mg
$MnCl_2 \cdot 4H_2O$	100.0 mg
H_3BO_3	6.0 mg
$CoCl_2 \cdot 6H_2O$	190.0 mg
$CuCl_2 \cdot 2H_2O$	2.0 mg
$NiCl_2 \cdot 6H_2O$	24.0 mg
$Na_2MoO_4 \cdot 2H_2O$	36.0 mg
Distilled water	990.0 ml

Dissolve $FeCl_2$ in the HCl, dilute with water, add and dissolve the other salts; adjust pH to 6.0 with NaOH, and fill to 1.0 L with distilled water.