

1585a: SULFURIFERULA THIOPHILA MEDIUM

MgCl ₂ x 6 H ₂ O	0.20	g
CaCl ₂ x 2 H ₂ O	0.10	g
(NH ₄) ₂ SO ₄	0.10	g
KH ₂ PO ₄	0.10	g
KCl	0.10	g
MOPS (SIGMA M1254)	4.20	g
Trace element solution SL-10	1.00	ml
Selenite-tungstate solution	1.00	ml
Na ₂ S ₂ O ₃ x 5 H ₂ O	5.00	g
NaHCO ₃	2.50	g
Distilled water	1000.00	ml

Dissolve ingredients except thiosulfate and bicarbonate, then adjust pH of medium to 6.5. Dispense medium under air atmosphere into serum vials suitable for anaerobic cultivation (e.g., 20 ml medium in 100 ml bottles) and close with butyl rubber septa. After autoclaving complete medium with thiosulfate and bicarbonate added from stock solutions sterilized by filtration.

Trace element solution SL-10 (from medium 320)

HCl (25%)	10.00	ml
FeCl ₂ x 4 H ₂ O	1.50	g
ZnCl ₂	70.00	mg
MnCl ₂ x 4 H ₂ O	100.00	mg
H ₃ BO ₃	6.00	mg
CoCl ₂ x 6 H ₂ O	190.00	mg
CuCl ₂ x 2 H ₂ O	2.00	mg
NiCl ₂ x 6 H ₂ O	24.00	mg
Na ₂ MoO ₄ x 2 H ₂ O	36.00	mg
Distilled water	990.00	ml

First dissolve FeCl₂ in the HCl, then dilute in water, add and dissolve the other salts. Finally make up to 1000.00 ml.

Selenite-tungstate solution (from medium 385)

NaOH	0.50	g
Na ₂ SeO ₃ x 5 H ₂ O	3.00	mg
Na ₂ WO ₄ x 2 H ₂ O	4.00	mg
Distilled water	1000.00	ml