

ATCC Medium 1754: PETC Medium

NH ₄ Cl	1.0 g
KCl	0.1 g
MgSO ₄ x 7H ₂ O	0.2 g
NaCl	0.8 g
KH ₂ PO ₄	0.1 g
CaCl ₂ x 2H ₂ O	20.0 mg
Yeast extract	1.0 g
Modified Wolfe's Metals (see Med 1788)	10.0 mL
Wolfe's Vitamin Solution (MD-VS) (see Med 1019)....	10.0 mL
NaHCO ₃	2.0 g
Fructose	5.0 g
Reducing agent (see below)	10.0 mL
Distilled water	980.0 mL

Add ingredients through vitamins and adjust to pH 5.5.

Add NaHCO₃, boil, degas, and dispense anaerobically under 100% CO₂.

Autoclave at 121°C for 15 minutes.

Add fructose and reducing agents from sterile anaerobic stock solutions prepared with 100% N₂.

Final pH 5.9.

Reducing agent:

NaOH	0.9 g
L-Cysteine HCl x H ₂ O	4.0 g
Na ₂ S x 9H ₂ O	4.0 g
Distilled water	100.0 mL

Boil NaOH and water under 100% N₂ gas.

Add cystine; then Na₂S.

Tube anaerobically with some gas phase.

Autoclave at 121°C for 15 minutes.