

ATCC medium: 1734 Cellulolytic medium with rumen fluid

ATCC Medium 1560 (see below) and 0.5% SOLUBLE STARCH

ATCC Medium 1560:

Rumen fluid, clarified.....	400.00 ml
K ₂ HPO ₄	0.45 g
KH ₂ PO ₄	0.45 g
NaCl.....	0.90 g
(NH ₄) ₂ SO ₄	0.90 g
CaCl ₂	0.09 g
MgSO ₄ . 7H ₂ O	0.18 g
NaHCO ₃	6.37 g
Cellobiose.....	5.0 g
Casitone.....	5.0 g
Resazurin.....	1.0 mg
Agar, if needed.....	15.0 g
Distilled water.....	575.0 ml

Bring above mixture to boil under 98% CO₂, 2% H₂. Cool slightly and add the following freshly prepared, alkaline solution:

L-Cysteine . HCl.....	0.5 g
Na ₂ S . 9H ₂ O	0.25 g
Distilled water.....	25.00 ml

Dispense medium using anaerobic techniques and the same gas phase. Autoclave medium at 121C for 15 minutes. Adjust final pH to 6.8, +/- 0.2.