

ATCC medium: 2025 Lactic acid whey medium

Yeast extract.....5.0 g
Trypticase Peptone (BD 211921)....10.0 g
Tryptose (BD 211713).....3.0 g
KH₂PO₄0.6 g
Sodium acetate.....2.0 g
Dibasic ammonium citrate.....2.0 g
MgSO₄ . 7H₂O0.5 g
MnSO₄ . H₂O0.5 g
Tween 80.....1.0 ml
Lactic Acid Whey (see below).....1.0 L

Adjust medium, if necessary, to pH 5.5 before autoclaving. Autoclave at 121C for 15 minutes. Final pH 4.8 +/- 0.2.

Lactic Acid Whey:

Skim milk powder.....100.0 g
Distilled water to.....1.0 L

Suspend skim milk powder in approximately 500 ml distilled water. Adjust to pH 5.5 with DL-lactic acid. Bring volume to 1.0 L with additional distilled water. Boil milk solution for 30 minutes. Centrifuge or filter out the precipitate. Return volume to 1.0 L. Clarify through 0.45 mcm filter.