

ATCC medium: 1412 Cellulolytic medium with sea salts

NH₄Cl2.0 g
Yeast extract.....1.2 g
K₂HPO₄1.65 g
L-Cysteine . HCl.....0.5 g
0.1% Resazurin.....1.0 ml
Filtered seawater.....200.0 ml
Mineral Solution (see below).....150.0 ml
Cellulose Suspension (see below).....200.0 ml
Agar.....20.0 g
Distilled water to.....1.0 L

Adjust medium to pH 7.2 with 5 M NaOH. Prepare and dispense medium anaerobically in 100% N₂ atmosphere. Autoclave at 121C for 15 minutes.

Liquid Medium:

Reduce NH₄Cl to 1.0 g and yeast extract to 0.6 g; omit suspension and provide cellulose as a strip (4.5 X 1.0 cm) of Whatman #1 filter paper in each tube.

Mineral Solution:

(NH₄)₂SO₄.....6.0 g
NaCl.....6.0 g
MgSO₄.....0.6 g
CaCl₂.....0.6 g
Distilled water to.....1.0 L

Cellulose Suspension:

4% Whatman CF11 cellulose powder. For liquid medium omit suspension and provide cellulose as a strip (4.5 x 1.0 cm) of Whatman #1 filter paper in each tube.