

**ATCC medium: 1281 M9 medium with casamino acids**

Casamino acids.....5.0 g  
Na<sub>2</sub>HPO<sub>4</sub> .....6.0 g  
KH<sub>2</sub>PO<sub>4</sub> .....3.0 g  
NaCl.....0.5 g  
NH<sub>4</sub>Cl .....1.0 g  
Distilled water.....1.0 L

Autoclave at 121C for 15 minutes, then add the following:

1 ml of 1 M MgSO<sub>4</sub> . 7H<sub>2</sub>O  
10 ml of 20% glucose  
1 ml of 1 mg/ml thiamine . HCl (filter-sterilized)  
1 ml CaCl<sub>2</sub> (0.1 M)

Adjust pH to 7.0.