

**ATCC Medium 53: Escherichia Medium**

Casein hydrolysate.....	6.0 g
K <sub>2</sub> HPO <sub>4</sub> .....	0.2 g
MgSO <sub>4</sub> x 7H <sub>2</sub> O .....	0.2 g
FeSO <sub>4</sub> x 7H <sub>2</sub> O .....	1.0 mg
Glycerol .....	2.0 mL
Asparagine .....	0.15 g
Cyanocobalamin Soln (see below).....	10.0 mL
Agar (if required) .....	15.0 g
DI water .....	1000.0 mL

*In a boiling water bath, heat the casein, salts, and asparagine for 30 minutes.  
Adjust pH to 7.0 +/- 0.2. Filter to clarify if necessary.  
Add glycerol and agar. Heat to dissolve agar.*

*Autoclave at 121° C for 15 minutes.*

**Cyanocobalamin Solution**

Cyanocobalamin .....	0.4 mg
DI water .....	10.0 mL