**ATCC Medium: 1099 CYE Buffered Medium**

**Base Medium**
Yeast Extract (BD 212750).................................................10.0 g  
Charcoal (Sigma C-5510)................................................2.0 g  
ACES Buffer.................................................................10.0 g  
DI Water...........................................................................980.0 ml

Adjust pH to 6.90 +/- 0.05 using KOH (pH is critical). Autoclave at 121°C. Cool to 50°C. Aseptically add Solutions A and B (see below). Recheck pH and adjust if necessary. Allow sample to cool to room temperature before reading pH. Keep charcoal in suspension when dispensing. **For solid medium, add 17 grams of Agar to base medium above.**

**Note:** Medium should be wrapped in foil to protect from light.

**Note:** Be sure to allow solid products adequate time to dry (at least two days). Agar will become soft and unusable if it does not dry properly.

**Solution A**
L-Cysteine HCl.................................................................0.4 g  
DI Water............................................................................10.0 ml

Filter Sterilize.

**Solution B**
Fe-pyrophosphate.........................................................0.25g  
DI Water..........................................................................10.0 ml

Filter Sterilize.

Note: Keep soluble Ferric pyrophosphate dry and in the dark. Do not use if the chemical loses its green color and becomes brown or yellow. Do not heat over 60°C to dissolve. The mixture dissolves readily in a 50°C water bath.