

**ATCC medium: 1722 *Dichotomicrobium* medium**

Modified Hutner's Basal Salts (see below).....20.0 ml  
Yeast Extract (BD 212750).....1.0 g  
Sodium DL-Malate.....1.0 g  
3X ASW (see below).....980.0 ml  
Agar (if necessary).....18.0 g

Adjust medium for final pH 7.1 +/- 0.1. Autoclave at 121C for 15 minutes.

*Modified Hutner's Basal Salts:*

Nitrilotriacetic acid.....10.0 g  
MgSO<sub>4</sub> . 7H<sub>2</sub>O .....29.7 g  
CaCl<sub>2</sub> . 2H<sub>2</sub>O .....3.34 g  
Ammonium molybdate.....9.25 mg  
FeSO<sub>4</sub> . 7H<sub>2</sub>O .....99.0 mg  
Metals "44" (see below).....50.0 ml  
Distilled water to.....1.0 L

Dissolve and neutralize the nitrilotriacetic acid with KOH (7.3 g); add the other ingredients and adjust the pH to 6.6 - 6.8 before bringing the volume to 1.0 L with distilled water.

Metals "44":

EDTA.....0.25 g  
ZnSO<sub>4</sub> . 7H<sub>2</sub>O .....1.1 g  
FeSO<sub>4</sub> . 7H<sub>2</sub>O .....0.5 g  
MnSO<sub>4</sub> . 7H<sub>2</sub>O .....0.154 g  
CuSO<sub>4</sub> . 5H<sub>2</sub>O .....0.04 g  
Co(NO<sub>3</sub>)<sub>2</sub> . 6H<sub>2</sub>O.....0.025 g  
Na<sub>2</sub>B<sub>4</sub>O<sub>7</sub> . 10H<sub>2</sub>O .....0.018 g  
Distilled water.....100.0 ml

Initially add a few drops of H<sub>2</sub>SO<sub>4</sub> to the distilled water to retard precipitation.

3X ASW:

NaCl.....352.14 g  
Na<sub>2</sub>SO<sub>4</sub> .....58.76 g  
NaHCO<sub>3</sub>.....2.88 g  
KCl.....9.96 g  
KBr.....1.44 g  
MgCl<sub>2</sub> . 6H<sub>2</sub>O .....159.30 g  
CaCl<sub>2</sub> . 2H<sub>2</sub>O .....21.75 g  
H<sub>3</sub>BO<sub>3</sub> .....0.39 g  
Distilled water to.....5.0 L