

**ATCC medium: 447 CP medium**

NaNO<sub>3</sub> .....0.38 g  
CaCl<sub>2</sub> . 2H<sub>2</sub>O .....0.017 g  
MgSO<sub>4</sub> . 7H<sub>2</sub>O .....0.038 g  
K<sub>2</sub>HPO<sub>4</sub> .....0.038 g  
Tris buffer.....0.25 g  
NaCl.....0.013 g  
Starch.....2.0 g  
Peptone.....2.5 g  
Solutions 1, 2, 3 and 4 (see below) each.....1.0 ml  
Vitamin B12 (1000 mcg/ml).....2.0 drops  
TC Vitamins Eagle 100X (Difco 5792).....5.0 ml  
Distilled water.....1.0 L

Adjust pH to 8.7.  
Autoclave at 121C for 15 minutes.

*Solution 1:*

EDTA.....5.0 g  
KOH.....3.1 g  
Distilled water.....100.0 ml

*Solution 2:*

FeSO<sub>4</sub> . 7H<sub>2</sub>O .....4.98 g  
Distilled water (acidified with 1.0 ml H<sub>2</sub>SO<sub>4</sub>)..1.0 L

*Solution 3:*

H<sub>3</sub>BO<sub>3</sub> .....1.14 g  
Distilled water.....100.0 ml

*Solution 4:*

ZnSO<sub>4</sub> . 7H<sub>2</sub>O .....0.88 g  
MnCl<sub>2</sub> . 4H<sub>2</sub>O .....0.144 g  
MoO<sub>3</sub> .....0.071 g  
CuSO<sub>4</sub> . 5H<sub>2</sub>O .....0.016 g  
CoNO<sub>3</sub> . 6H<sub>2</sub>O .....0.049 g  
Distilled water.....100.0 ml