

ATCC medium: 2001 CYU 2%

Basal Solution (see below).....960.0 ml
Yeast Extract Solution (see below).....30.0 ml
Trace Metal Solution (see below).....10.0 ml

Aseptically combine the above solutions.

Basal Solution:

KH_2PO_4 1.3 g
 K_2HPO_4 9.2 g
1M $\text{MgSO}_4 \cdot 7\text{H}_2\text{O}$ 1.66 ml
Trisodium citrate $\cdot 2\text{H}_2\text{O}$1.0 g
 $(\text{NH}_4)_2\text{SO}_4$2.2 g
Glucose.....20.0 g
Urea.....5.0 g
Distilled water to.....960.0 ml

Filter-sterilize.

Yeast Extract (10% (w-v) Solution:

Yeast extract.....10.0 g
Distilled water.....100.0 ml

Autoclave at 121C at 15 lbs psi.

Trace Metal Solution:

Distilled water.....990.0 ml
HCl (concentrated).....10.0 ml
 $\text{CaCl}_2 \cdot 2\text{H}_2\text{O}$ 3972.0 mg
 $\text{MnCl}_2 \cdot 4\text{H}_2\text{O}$ 140.0 mg
 $\text{ZnSO}_4 \cdot 7\text{H}_2\text{O}$ 882.0 mg
 $\text{CuCl}_2 \cdot 5\text{H}_2\text{O}$ 157.0 mg
 $\text{CsCl}_2 \cdot 6\text{H}_2\text{O}$ 49.0 mg
 H_3BO_3 1140.0 mg
 $\text{Na}_2\text{MoO}_4 \cdot 2\text{H}_2\text{O}$119.0 mg
Vanadyl sulfate $\cdot 2\text{H}_2\text{O}$100.0 mg
 $\text{Ni}(\text{NO}_3)_2 \cdot 6\text{H}_2\text{O}$10.0 mg
 $\text{CdSO}_4 \cdot 8\text{H}_2\text{O}$ 10.0 mg
 $\text{FeSO}_4 \cdot 7\text{H}_2\text{O}$ 1250.0 mg
 $\text{FeCl}_3 \cdot 6\text{H}_2\text{O}$ 29.0 mg

Add ingredients in the order shown and thoroughly dissolve components between additions. Filter-sterilize.