

ATCC medium: 723 Castenholz TYE medium, modified

Complete Medium:

Castenholz Salts 2x (see below)..500.0 ml
TYE Solution (see below).....100.0 ml
Agar (if needed).....15.0 g
Distilled deionized water.....400.0 ml

Combine aseptically. Adjust for final pH 7.6
If agar is used, add it to the water component.
Autoclave at 121C for 15 minutes.

Castenholz Salts, 2X:

Nitrilotriacetic acid.....0.2 g
Nitsch's Trace Elements (see below).....2.0 ml
FeCl₃ solution (0.03%)2.0 ml
CaSO₄ . 2H₂O0.12 g
MgSO₄ . 7H₂O0.2 g
NaCl.....0.016 g
KNO₃0.21 g
NaNO₃1.4 g
Na₂HPO₄0.22 g
Distilled water.....1.0 L

Adjust pH to 8.2. May be stored at 2-5C for one year. Filter-sterilize before use.

Nitsch's Trace Elements:

H₂SO₄0.5 ml
MnSO₄2.2 g
ZnSO₄0.5 g
H₃BO₃0.5 g
CuSO₄0.016 g
Na₂MoO₄0.025 g
CoCl₂ . 6H₂O0.046 g
Distilled water.....1.0 L

TYE Solution:

Tryptone (BD 211705).....20.0 g
Yeast extract.....20.0 g
Distilled water.....1.0 L