

ATCC medium: 2264 *Selenohalobacter shriftii* medium

NaCl.....175.0 g
MgCl₂ . 6H₂O20.0 g
K₂SO₄5.0 g
CaCl₂ . 2H₂O0.1 g
Yeast extract.....5.0 g
NaWO₄.....6.2 mcg
L-Cysteine . HCl.....0.5 g
SL-10 Trace Elements Solution (see below).....5.0 ml
Distilled water.....900.0 ml

Combine ingredients. Adjust pH to 7.0 and autoclave at 121C for 15 minutes. Add Solution A aseptically to the base medium.

SL-10 Trace Elements Solution:

HCl (25%).....10.0 ml
FeCl₂ . 4H₂O1.5 g
ZnCl₂70.0 mg
MnCl₂ . 4H₂O100.0 mg
H₃BO₃6.0 mg
CoCl₂ . 6H₂O190.0 mg
CuCl₂ . 2H₂O2.0 mg
NiCl₂ . 6H₂O24.0 mg
Na₂MoO₄ . 2H₂O.....36.0 mg
Distilled water.....990.0 ml

Dissolve FeCl₂ in the HCl, dilute with water, add and dissolve the other salts; adjust pH to 6.0 with NaOH, and fill to 1.0 L with distilled water.

Solution A:

NaNO₃.....1.7 g
Glucose.....3.6 g
PIPES.....1.81 g
Distilled water.....100.0 ml

Filter-sterilize.