

ATCC medium: 2346 mJANTHOX-NO₃ medium supplemented with thiosulfate

Base Medium:

NaCl.....	3.0 g
K ₂ HPO ₄	0.014 g
CaCl ₂ . 2H ₂ O	0.014 g
NH ₄ Cl	0.04 g
MgSO ₄ . 7H ₂ O	0.34 g
MgCl ₂ . 6H ₂ O	0.418 g
KCl.....	0.033 g
Fe ₂ (SO ₄) ₃ . H ₂ O.....	5.0 mg
NiCl ₂ . 6H ₂ O	0.05 mg
Na ₂ SeO ₃ . 5H ₂ O.....	0.05 mg
Na ₂ SiO ₃ . 9H ₂ O.....	0.5 g
Trace Mineral Solution (see below).....	1.0 ml
Distilled deionized water.....	1.0 L

Before autoclaving the base medium, adjust the pH with NaOH to 7.5-8.0. After autoclaving, add the filter-sterilized vitamin solution listed below, and each of the separately autoclaved, concentrated solutions to the medium at the final concentrations described below. Purge the complete medium with a gas mixture of 80% H₂, 20% CO₂ for 5 minutes and dispense.

Wolfe's Vitamin Solution (see below).....	1.0 ml
Na ₂ S ₂ O ₃ . 5H ₂ O.....	10 mM
NaHCO ₃	0.20 %
NaNO ₃	0.05 %

SL-10 Trace Elements Solution:

HCl (25%).....	10.0 ml
FeCl ₂ . 4H ₂ O	1.5 g
ZnCl ₂	70.0 mg
MnCl ₂ . 4H ₂ O	100.0 mg
H ₃ BO ₃	6.0 mg
CoCl ₂ . 6H ₂ O	190.0 mg
CuCl ₂ . 2H ₂ O	2.0 mg
NiCl ₂ . 6H ₂ O	24.0 mg
Na ₂ MoO ₄ . 2H ₂ O.....	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. Filter-sterilize.

Wolfe's Vitamin Solution:

Biotin.....	2.0 mg
Folic acid.....	2.0 mg
Pyridoxine hydrochloride.....	10.0 mg
Thiamine . HCl.....	5.0 mg
Riboflavin.....	5.0 mg
Nicotinic acid.....	5.0 mg
Calcium D-(+)-pantothenate.....	5.0 mg
Vitamin B12.....	0.1 mg
p-Aminobenzoic acid.....	5.0 mg
Thioctic acid.....	5.0 mg
Distilled water.....	1.0 L