ATCC medium: 1895 YP87 medium

Na_2SO_4 .....4.0 g
Na_2HPO_4 .....0.2 g
NH_4Cl.....0.25 g
$MgCl_2$. $6H_2O$ .....0.4 g
KCl.....0.5 g
$CaCl_2$. $2H_2O$ .....0.15 g
Yeast extract.....0.5 g
Sodium lactate, 60% syrup.....3.0 ml
Modified Wolfe's Minerals (see below)...10.0 ml
Wolfe's Vitamin Solution (see below)....10.0 ml
Resazurin.....1.0 mg
Sodium thioglycollate.....0.2 g
L-Ascorbic acid.....0.2 g
$NaHCO_3$.....1.3 g
Distilled water.....1.0 L

Combine first 11 components and adjust to pH 7.5. Heat to boiling and cool under 100% N_2. Add remaining components. Tube anaerobically under same gas phase and autoclave at 121C for 15 minutes.

Modified Wolfe's Minerals:
Na_2SeO_3 .....10.0 mg
$NiCl_2$. $6H_2O$ .....10.0 mg
Na_2WO_4 . $2H_2O$.....10.0 mg
Wolfe's Mineral Solution (see below).....1.0 L

Wolfe's Mineral Solution:
Available from ATCC as a sterile ready-to-use liquid (Trace Mineral Supplement, catalog no. MD-TMS.)
Nitrilotriacetic acid.....1.5 g
$MgSO_4$. $7H_2O$ .....3.0 g
$MnSO_4$. H_2O .....0.5 g
NaCl.....1.0 g
$FeSO_4$. $7H_2O$ .....0.1 g
$CoCl_2$. $6H_2O$ .....0.1 g
$CaCl_2$.....0.1 g
$ZnSO_4$. $7H_2O$ .....0.1 g
$CuSO_4$. $5H_2O$ .....0.01 g
$AlK(SO_4)_2$. $12H_2O$.....0.01 g
H_3BO_3 .....0.01 g
Na_2MoO_4 . $2H_2O$.....0.01 g
Distilled water.....1.0 L

Add nitrilotriacetic acid to approximately 500 ml of water and adjust to pH 6.5 with KOH to dissolve the compound. Bring volume to 1.0 L with remaining water and add remaining compounds one at a time.

Wolfe's Vitamin Solution:
Available from ATCC as a sterile ready-to-use liquid (Vitamin Supplement, catalog no. MD-VS).

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