

ATCC medium: 1696 *Bacillus xylose* salts

NH ₄ Cl	1.00 g
CaCl ₂ . 2H ₂ O	0.05 g
MgSO ₄ . 7H ₂ O	0.50 g
KH ₂ PO ₄	0.50 g
Xylose	5.0 g
NaCl	1.00 g
Trace Mineral Solution (see below)	10.00 ml
Wolfe's Vitamin Solution (see below)	10.0 ml
Yeast extract	5.0 g
Distilled water to	1.0 L

Adjust medium for final pH 4.0. Autoclave at 121C for 15 minutes.

Trace Mineral Solution:

H ₃ BO ₃	0.5 mg
CaCl ₂ . 2H ₂ O	20.0 mg
CoCl ₂ . 6H ₂ O	0.2 g
CuSO ₄ . 5H ₂ O	0.4 mg
FeSO ₄ . 7H ₂ O	0.13 g
MnCl ₂ . 4H ₂ O	0.1 g
NiSO ₄ . 6H ₂ O	30.0 mg
KI	0.1 mg
Na ₂ MoO ₄ . 2H ₂ O	1.0 mg
Na ₂ SeO ₃	20.0 mg
Na ₂ WO ₄ . 2H ₂ O	20.0 mg
ZnCl ₂ . 2H ₂ O	0.1 g
Distilled water	1.0 L

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

Note: This is a variation of Medium 1695.

