

**ATCC medium: 1719 Modified R70-2 medium with glucose**

ATCC Medium 1718 (see below) with fructose replaced by 3% glucose (broth) or 2% glucose (agar).

*ATCC Medium 1718:*

KH <sub>2</sub> PO <sub>4</sub> .....	1.00 g
(NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub> .....	3.30 g
Sodium citrate . 2H <sub>2</sub> O.....	1.18 g
MgSO <sub>4</sub> . 7H <sub>2</sub> O .....	0.25 g
Wolfe's Vitamin Solution (see below) (added aseptically) ..	10.0 ml
100X Modified Salts (see below) (added aseptically).....	10.0 ml
Fructose*.....	30.0 g
Dimethyl glutaric acid.....	25.0 mM
Yeast extract.....	5.0 g
Agar (if needed).....	20.0 g
Distilled water to.....	980.0 ml

Adjust medium for final pH 5.0. Autoclave at 121C for 15 minutes.

\*For agar medium, use 20 g/L fructose.

*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

*100X Modified Salts:*

HCl (concentrated).....	4.1 ml
CaCl <sub>2</sub> . 2H <sub>2</sub> O .....	1.47 g
MnSO <sub>4</sub> . H <sub>2</sub> O .....	85.0 mg
ZnSO <sub>4</sub> . 7H <sub>2</sub> O .....	144.0 mg
CuSO <sub>4</sub> .....	16.0 mg
CoCl <sub>2</sub> . 6H <sub>2</sub> O .....	24.0 mg
NiCl <sub>2</sub> . 6H <sub>2</sub> O .....	24.0 mg
Na <sub>2</sub> MoO <sub>4</sub> . 2H <sub>2</sub> O.....	24.0 mg
FeCl <sub>3</sub> . 6H <sub>2</sub> O .....	270.0 mg
Distilled water.....	1.0 L

Filter-sterilize.