

**ATCC medium: 1695 *Bacillus pullulan* salts**

NH <sub>4</sub> Cl .....	1.00 g
CaCl <sub>2</sub> . 2H <sub>2</sub> O .....	0.05 g
MgSO <sub>4</sub> . 7H <sub>2</sub> O .....	0.5 g
KH <sub>2</sub> PO <sub>4</sub> .....	0.5 g
Pullulan.....	2.5 g
NaCl.....	1.0 g
Trace Mineral Solution (see below).....	10.0 ml
Wolfe's Vitamin Solution (see below)*.....	10.0 ml
Yeast extract.....	0.1 g
Distilled water.....	1.0 L

Autoclave components through KH<sub>2</sub>PO<sub>4</sub> separately.

\*Add aseptically.

Adjust medium for final pH 6.0.

Autoclave at 121C for 15 minutes.

If needed, use Agar Noble

*Trace Mineral Solution:*

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

*Wolfe's Vitamins:*

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

Folic acid.....	2.0 mg
Pyridoxine hydrochloride....	10.0 mg
Riboflavin.....	5.0 mg
Biotin.....	2.0 mg
Thiamine.....	5.0 mg
Nicotinic acid.....	5.0 mg
Pantothenic acid.....	5.0 mg
Vitamin B12.....	0.1 mg
p-Aminobenzoic acid.....	5.0 mg
Thioctic acid.....	5.0 mg
Distilled water.....	1.0 L