

**ATCC medium: 1838 *Erwinia* fermentation medium**

Lactose.....45.0 g  
(NH<sub>4</sub>)<sub>2</sub>SO<sub>4</sub>.....1.46 g  
KH<sub>2</sub>PO<sub>4</sub> .....1.8 g  
K<sub>2</sub>HPO<sub>4</sub> .....3.6 g  
MgSO<sub>4</sub> . 7H<sub>2</sub>O .....0.6 g  
CaCl<sub>2</sub> . 2H<sub>2</sub>O .....0.04 g  
FeSO<sub>4</sub> . 7H<sub>2</sub>O .....1.9 mg  
CoCl<sub>2</sub> .....1.0 mg  
ZnSO<sub>4</sub> . 7H<sub>2</sub>O .....1.0 mg  
CuSO<sub>4</sub> . 5H<sub>2</sub>O .....1.0 mg  
MnSO<sub>4</sub> . H<sub>2</sub>O .....1.0 mg  
Na<sub>2</sub>MoO<sub>4</sub> . 2H<sub>2</sub>O.....1.0 mg  
Yeast extract.....1.8 g  
Distilled water.....1.0 L

Adjust to final pH 7.0 with NaOH (approximately 0.18 g/L). Autoclave at 121C for 15 minutes.