

## 269: ACIDIPHILUM MEDIUM

This recipe contains strain-specific modifications for *Acidiphilium* sp. DSM 100189 \*

Final pH: \* 2.5

Final volume: 1000 ml

(NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub>	2.00	g
KCl	0.10	g
K <sub>2</sub> HPO <sub>4</sub>	0.50	g
MgSO <sub>4</sub> x 7 H <sub>2</sub> O	0.50	g
Yeast extract	0.30	g
<del>D-Glucose</del>	<del>1.00</del>	<del>g</del>
Fe SO <sub>4</sub> x 7 H <sub>2</sub> O	7.00	g
D-Galactose	1.80	g
Distilled water	1000.00	ml

Autoclave glucose and yeast extract separately as a 10% and 3%, resp., stock solution.  
Adjust pH of complete medium to 3.0 with 1 N H<sub>2</sub>SO<sub>4</sub>.

\* Replace glucose with 1.8 g/l D-galactose and add 7.0 g/l FeSO<sub>4</sub> x 7 H<sub>2</sub>O to the autoclaved medium from a 1 M stock solution (pH adjusted to 1.8 using 2 N H<sub>2</sub>SO<sub>4</sub> and sterilized by filtration). Adjust pH of complete medium to 2.5.