

## 35: ACIDITHIOBACILLUS MEDIUM

NH <sub>4</sub> Cl	0.10	g
KH <sub>2</sub> PO <sub>4</sub>	3.00	g
MgCl <sub>2</sub> x 6 H <sub>2</sub> O	0.10	g
CaCl <sub>2</sub> x 2 H <sub>2</sub> O	0.14	g
Sulfur (powdered)	10.00	g
Distilled water	1000.00	ml

1. Dissolve all ingredients, except the sulfur and adjust the pH to 4.2, then autoclave. For sterilization place the sulfur in screw-capped tubes or bottles, wet with a few drops of water and heat for 3 hours to 90 - 100°C in a water bath on each of three successive days. Before use, aseptically layer the sulfur onto the surface of autoclaved liquid basal medium.
2. Note: Incubate statically without shaking.

For DSM 612: Supplement medium with 0.10 g/l yeast extract (sterilized separately).

For DSM 105150: Adjust pH of complete medium to 3.0.