

35: ACIDITHIOBACILLUS MEDIUM

This recipe contains strain-specific modifications for *Thiobacillus sp.* DSM 612 *

Final pH: 4.2

Final volume: 1000 ml

NH ₄ Cl	0.10	g
KH ₂ PO ₄	3.00	g
MgCl ₂ x 6 H ₂ O	0.10	g
CaCl ₂ x 2 H ₂ O	0.14	g
Sulfur (powdered)	10.00	g
Yeast extract	0.10	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.

* Supplement medium with 0.10 g/l yeast extract (sterilized separately).