

35. ACIDITHIOBACILLUS MEDIUM

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
Distilled water	1000.00	ml

Dissolve all ingredients, except the sulfur, in distilled water 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.

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