

35. THIOBACILLUS THIOOXIDANS 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. Place the sulfur in screw-capped tubes or bottles and sterilize by autoclaving at 112°C for 15 min. Before use, aseptically layer the sulfur onto the surface of autoclaved liquid basal medium. For DSM 612 add 0.01% yeast extract (sterilized separately).