

71: ACIDITHIOBACILLUS THIOOXIDANS MEDIUM

This recipe contains strain-specific modifications for *Acidithiobacillus albertensis* DSM 14366 *

Final pH: * 4.4

Final volume: 1000 ml

KH ₂ PO ₄	3.00	g
MgSO ₄ x 7 H ₂ O	0.50	g
(NH ₄) ₂ SO ₄	3.00	g
CaCl ₂ x 2 H ₂ O	0.25	g
Na ₂ S ₂ O ₃ x 5 H ₂ O	5.00	g
FeSO ₄ x 7 H ₂ O	10.00	mg
Distilled water	1000.00	ml

1. Prepare the medium without thiosulfate, adjust pH to 4.4 - 4.7 and autoclave at 121°C for 15 min. Sterilize thiosulfate separately by filtration and add after autoclaving.
2. Note: Incubate statically without shaking.

* Supplement medium with 10.00 mg/l FeSO₄ x 7 H₂O. The final pH of the medium should be 4.4.