

**71. THIOBACILLUS FERROOXIDANS MEDIUM WITH THIOSULFATE**

$\text{KH}_2\text{PO}_4$	3.00	g
$\text{MgSO}_4 \times 7 \text{ H}_2\text{O}$	0.50	g
$(\text{NH}_4)_2\text{SO}_4$	3.00	g
$\text{CaCl}_2 \times 2 \text{ H}_2\text{O}$	0.25	g
$\text{Na}_2\text{S}_2\text{O}_3 \times 5 \text{ H}_2\text{O}$	5.00	g
Distilled water	1000.00	ml

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.

For DSM 14366:

Add 10.0 mg/l  $\text{FeSO}_4 \times 7 \text{ H}_2\text{O}$ . The final pH of the medium should be 4.4.