

1321. ACIDIHALOBACTER FERROOXIDANS MEDIUM**Solution A:**

NaCl	15.0	g
(NH ₄) ₂ SO ₄	0.2	g
MgSO ₄ x 7 H ₂ O	0.4	g
K ₂ HPO ₄	0.1	g
Distilled water	900.0	ml

Adjust the pH to 1.7 with H₂SO₄ and autoclave at 121°C for 20 min.

Solution B:

FeSO ₄ x 7 H ₂ O	13.9	g
Distilled water	100.0	ml

Adjust the pH to 1.25 and autoclave solution at **115°C** for 10 min or sterilize by filtration.

Solution C:

K ₂ S ₄ O ₆	0.3	g
Distilled water	10.0	ml

Sterilize by filtration.

Solution D:

Yeast extract	0.1	g
Distilled water	10.0	ml

Autoclave at 121°C for 20 min.

Combine *solution A* and *solution B* after cooling and add *solutions C* and *D* to complete the medium.

Note: Use 10% (v/v) as inoculum.