

1321: ACIDIHALOBACTER FERROOXIDANS MEDIUM

Solution A	900.00	ml
Solution B	100.00	ml
Solution C	10.00	ml
Solution D	10.00	ml

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

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

For DSM 105917: Omit yeast extract and adjust pH of complete medium to 2.5.

Solution A

NaCl	15.00	g
(NH ₄) ₂ SO ₄	0.20	g
MgSO ₄ x 7 H ₂ O	0.40	g
K ₂ HPO ₄	0.10	g
Distilled water	900.00	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	13.90	g
Distilled water	100.00	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	0.30	g
Distilled water	10.00	ml

Sterilize by filtration.

Solution D

Yeast extract	0.10	g
Distilled water	10.00	ml

Autoclave at 121°C for 20 min.