

874. FERROPLASMA ACIDIPHILUM MEDIUM**Solution A:**

MgSO ₄ x 7 H ₂ O	0.4	g
(NH ₄) ₂ SO ₄	0.2	g
KCl	0.1	g
K ₂ HPO ₄	0.1	g
Trace element solution (see medium 158)	10.0	ml
Distilled water	950.0	ml

Solution B:

FeSO ₄ x 7 H ₂ O	25.0	g
1 N H ₂ SO ₄	40.0	ml
Distilled water	10.0	ml

Solution C:

Yeast extract (OXOID)	0.2	g
Distilled water	10.0	ml

Add *solution B* to *solution A*, adjust pH of the combined solution to 1.6 - 1.8 with H₂SO₄, then sterilize using membrane filter and dispense in sterile culture vessels. Prior to use, add the appropriate volume of *solution C* sterilized by autoclaving.

For [DSM 16651](#) supplement medium prior to inoculation with 2.0 g/l potassium tetrathionate added from a stock solution sterilized by filtration. Incubate without agitation.

For [DSM 18409](#) replace trace element solution with 1.0 ml/l of trace element solution SL-10 (see medium 320). Supplement medium prior to inoculation with 1.5 g/l potassium tetrathionate added from a stock solution sterilized by filtration.