

**477. ACIDIHALOBACTER PROSPERUS MEDIUM**

KCl	0.33	g
MgCl <sub>2</sub> x 6 H <sub>2</sub> O	2.75	g
MgSO <sub>4</sub> x 7 H <sub>2</sub> O	3.45	g
NH <sub>4</sub> Cl	1.25	g
CaCl <sub>2</sub> x 2 H <sub>2</sub> O	0.14	g
K <sub>2</sub> HPO <sub>4</sub>	0.14	g
KH <sub>2</sub> PO <sub>4</sub>	0.14	g
NaCl	0.50	g
Trace element solution (see medium 141)	10.00	ml
NiCl <sub>2</sub> x 6 H <sub>2</sub> O solution (0.1% w/v)	2.00	ml
FeSO <sub>4</sub> x 7 H <sub>2</sub> O	20.00	g
Distilled water	1000.00	ml

Dissolve ingredients (except ferrous sulfate), adjust pH to 2.5 with H<sub>2</sub>SO<sub>4</sub> and autoclave. Prior to inoculation add ferrous sulfate from a freshly prepared 40% (w/v) stock solution of FeSO<sub>4</sub> x 7 H<sub>2</sub>O in 0.1 N H<sub>2</sub>SO<sub>4</sub>, sterilized by filtration and stored under 100% N<sub>2</sub> gas atmosphere.

For DSM 14174 supplement medium prior to inoculation with 0.3 g/l K<sub>2</sub>S<sub>4</sub>O<sub>6</sub> added from a stock solution sterilized by filtration.