

1285: GRANULICELLA PALUDICOLA MEDIUM

This recipe contains strain-specific modifications for *Acidicapsa ferrireducens* DSM 28997 *

Final pH: 4.0 - 5.0

Final volume: 1000 ml

Fructose	0.50	g
Yeast extract	0.05	g
Casamino acids	0.05	g
MgSO ₄ x 7 H ₂ O	0.04	g
CaCl ₂ x 2 H ₂ O	0.02	g
KH ₂ PO ₄	0.10	g
(NH ₄) ₂ SO ₄	0.10	g
Distilled water	1000.00	ml
Agar, for solid medium	15.00	g
Trace element solution SL-10	1.00	ml

The medium may be solidified with 15 g/l agar. Adjust to pH 4.0 - 5.0 with alginic acid.

* Add SL-10 (1 ml/L) (see medium 1426)

Trace element solution SL-10* (from medium 320)

HCl (25%)	10.00	ml
FeCl ₂ x 4 H ₂ O	1.50	g
ZnCl ₂	70.00	mg
MnCl ₂ x 4 H ₂ O	100.00	mg
H ₃ BO ₃	6.00	mg
CoCl ₂ x 6 H ₂ O	190.00	mg
CuCl ₂ x 2 H ₂ O	2.00	mg
NiCl ₂ x 6 H ₂ O	24.00	mg
Na ₂ MoO ₄ x 2 H ₂ O	36.00	mg
Distilled water	990.00	ml

First dissolve FeCl₂ in the HCl, then dilute in water, add and dissolve the other salts. Finally make up to 1000.00 ml.