

182: SACCHAROLOBUS SOLFATARICUS MEDIUM

Yeast extract (OXOID)	1.00	g
Casamino acids (BD BBL)	1.00	g
KH ₂ PO ₄	3.10	g
(NH ₄) ₂ SO ₄	2.50	g
MgSO ₄ x 7 H ₂ O	0.20	g
CaCl ₂ x 2 H ₂ O	0.25	g
Allen's trace element solution	10.00	ml
Distilled water	1000.00	ml

Dissolve all compounds except yeast extract and Casamino acids, adjust pH to 4.0 - 4.2 with 10 N H₂SO₄ at room temperature and autoclave. Prior to inoculation add yeast extract and Casamino acids from stock solutions sterilized by filtration.

For DSM 5354: Adjust pH of medium to 3.5.

Allen's trace element solution (from medium 88)

MnCl ₂ x 4 H ₂ O	180.00	mg
Na ₂ B ₄ O ₇ x 10 H ₂ O	450.00	mg
ZnSO ₄ x 7 H ₂ O	22.00	mg
CuCl ₂ x 2 H ₂ O	5.00	mg
Na ₂ MoO ₄ x 2 H ₂ O	3.00	mg
VO ₂ SO ₄ x 2 H ₂ O	3.00	mg
CoSO ₄ x 7 H ₂ O	1.00	mg
Distilled water	1000.00	ml

Adjust pH of final solution to 2 with 1 N HCl.