

1189. AEROBIC SULFOLOBALES MEDIUM WITHOUT SULFUR**Solution A:**

Salt base solution (see below)	1000.0	ml
Yeast extract (Difco)	0.5	g

Autoclave salt base solution and yeast extract (as a 10% solution) separately, and combine after cooling.

Salt base solution:

$(\text{NH}_4)_2 \text{SO}_4$	1.30	g
KH_2PO_4	0.28	g
$\text{MgSO}_4 \times 7 \text{H}_2\text{O}$	0.25	g
$\text{CaCl}_2 \times 2 \text{H}_2\text{O}$	0.07	g
$\text{MnCl}_2 \times 4 \text{H}_2\text{O}$	1.80	mg
$\text{Na}_2\text{B}_4\text{O}_7 \times 10 \text{H}_2\text{O}$	4.50	mg
$\text{ZnSO}_4 \times 7 \text{H}_2\text{O}$	0.22	g
$\text{CuCl}_2 \times 2 \text{H}_2\text{O}$	0.05	mg
$\text{Na}_2\text{MoO}_4 \times 2 \text{H}_2\text{O}$	0.03	mg
$\text{VO}_2\text{SO}_4 \times n \text{H}_2\text{O}$	0.03	mg
$\text{CoSO}_4 \times 7 \text{H}_2\text{O}$	0.01	mg
Distilled water	1000.00	ml

Adjust to pH 2.5 with 10 N H_2SO_4 .