

670. ACIDIFERROBACTER (MS) MEDIUM

$(\text{NH}_4)_2\text{SO}_4$	2.00	g
$\text{MgSO}_4 \times 7 \text{ H}_2\text{O}$	0.25	g
K_2HPO_4	0.10	g
KCl	0.10	g
Distilled water	1000.00	ml

Sterilize by autoclaving for 15 min at 121°C. Further instructions for preparation of medium and used substrates are given below:

Note: Incubate statically without shaking.

DSM 2392, DSM 9464 and DSM 9465:

Adjust pH to 2.2 with 4 N H_2SO_4 prior to autoclaving. Before use, add 20.00 g/l $\text{FeSO}_4 \times 7 \text{ H}_2\text{O}$ (dissolved in 0.2 N H_2SO_4 and filter sterilized under 100% N_2 gas atmosphere) from a 40% (w/v) stock solution.

DSM 9463:

Adjust pH to 3.5 with 1 N H_2SO_4 prior to autoclaving. Before use, add 5.00 g/l of powdered sulfur sterilized by steaming for 3 hours on each of 3 successive days.

DSM 9466:

Adjust pH to 3.5 with 1 N H_2SO_4 prior to autoclaving. Before use, add 5.00 g/l of powdered sulfur sterilized by steaming for 3 hours on each of 3 successive days and 0.20 g/l of yeast extract (from a sterile stock solution).

DSM 9467:

Adjust pH to 3.0 with 2 N H_2SO_4 prior to autoclaving. Before use, add 2.00 g/l D-glucose and 0.1 g/l yeast extract from filter sterilized stock solutions.

DSM 9468:

Adjust pH to 1.6 with 4 N H_2SO_4 prior to autoclaving. Before use, add 20.00 g/l $\text{FeSO}_4 \times 7 \text{ H}_2\text{O}$ (dissolved in 0.2 N H_2SO_4 and filter sterilized under 100% N_2 gas atmosphere) from a 40% (w/v) stock solution.