

## 1634. SERPENTINOMONAS MINIMAL MEDIUM

Na <sub>2</sub> SO <sub>4</sub>	0.0284	g
MgCl <sub>2</sub> x 6 H <sub>2</sub> O	0.0404	g
NH <sub>4</sub> Cl	0.0802	g
CAPS buffer	3.32	g
dDistilled water	1000.00	ml

Adjust the pH to 11 with NaOH. Fill into to screw-cap tubes, leaving 60% headspace and flush headspace with N<sub>2</sub>. Add 30% air and for DSM 103920 additionally add 50% H<sub>2</sub>.

Autoclave medium for 20 min at 121°C, cool and add from sterile stock solutions while stirring:

0.3 mM K<sub>2</sub>HPO<sub>4</sub> (1ml of 300 mM stock solution per liter)

5 mM CaCl<sub>2</sub>x2 H<sub>2</sub>O (5ml of 1 M stock solution per liter)

4 mM Na-acetate (2ml of 2 M stock solution per liter)

Vitamin solution 10 ml per liter

Trace element solution 10 ml per liter

Some precipitate will form.

### *Vitamin solution :*

Folic acid	2.0	mg
Biotin	2.0	mg
Riboflavin	5.0	mg
Nicotinic acid	5.0	mg
Thiamine	5.0	mg
p-Aminobenzoic acid	5.0	mg
Pyridoxine hydrochloride	10.0	mg
Ca-pantothenate	5.0	mg
Vitamin B <sub>12</sub>	0.1	mg
Thioctic acid	5.0	mg
Monopotassium phosphate	900.0	mg
Distilled water	1000.0	ml

*Trace element solution:*

Na-EDTA x 2 H <sub>2</sub> O	500	mg
MgSO <sub>4</sub> x 7 H <sub>2</sub> O	3000	mg
MnSO <sub>4</sub> x H <sub>2</sub> O	500	mg
NaCl	1000	mg
FeSO <sub>4</sub> x 7 H <sub>2</sub> O	100	mg
Co(NO <sub>3</sub> ) <sub>2</sub> x 6 H <sub>2</sub> O	100	mg
CaCl <sub>2</sub> (anhydrous)	100	mg
ZnSO <sub>4</sub> x 7 H <sub>2</sub> O	100	mg
CuSO <sub>4</sub> x 5 H <sub>2</sub> O	10	mg
AlK(SO <sub>4</sub> ) <sub>2</sub> (anhydrous)	10	mg
H <sub>3</sub> BO <sub>3</sub>	10	mg
Na <sub>2</sub> MoO <sub>4</sub> x 2 H <sub>2</sub> O	10	mg
Na <sub>2</sub> SeO <sub>3</sub> (anhydrous)	1	mg
Na <sub>2</sub> WO <sub>4</sub> x 2 H <sub>2</sub> O	10	mg
NiCl <sub>2</sub> x 6 H <sub>2</sub> O	20	mg
Distilled water	1000.0	ml