

## 998. MEDIUM FOR ROSEOSPIRA

KH <sub>2</sub> PO <sub>4</sub>	0.30	g
NH <sub>4</sub> Cl	0.50	g
CaCl <sub>2</sub> x 2 H <sub>2</sub> O	0.05	g
MgCl <sub>2</sub> x 6 H <sub>2</sub> O	1.00	g
MgSO <sub>4</sub> x 7 H <sub>2</sub> O	0.50	g
NaCl	20.00	g
Trace element solution SL12 (see below)	1.00	ml
Yeast extract	0.50	g
Distilled water	1000.00	ml

Media were autoclaved and cooled under N<sub>2</sub>/CO<sub>2</sub> (90/10, v/v). Vitamin V7 solution (1 ml/l) and NaHCO<sub>3</sub>, (0.15% w/v) were then aseptically added to the medium. Final pH was adjusted to 6.8-7.0 and the medium was dispensed into sterile 50 ml screw-capped bottles. Organic substrates (5 mM Na-acetate and/or 5 mM di-Na-succinate) were added as substrates before use. In addition, for strains DSM 15114 and AT2115, Na<sub>2</sub>S x 9 H<sub>2</sub>O (0.02% w/v) were also added to the medium prior to utilisation. Pure cultures, grown in 50-ml screw-capped bottles were stored at +4°C in the dark for preservation.

### *Vitamins V7 solution* (Pfennig et Trüper, 1992):

Distilled water	1000.00	ml
Biotine	2.00	mg
p-aminobenzoate	10.00	mg
Thiamine	10.00	mg
Pantothenate	5.00	mg
Pyridoxamine	50.00	mg
Vitamine B <sub>12</sub>	20.00	mg
Nicotinate	20.00	mg

Sterilized by filtration.

### *Trace element solution SL12:*

Distilled water	1000.00	ml
H <sub>3</sub> BO <sub>3</sub>	300.00	mg
FeSO <sub>4</sub> x 7 H <sub>2</sub> O	1.10	g
CoCl <sub>2</sub> x 6 H <sub>2</sub> O	190.00	mg
MnCl <sub>2</sub> x 2 H <sub>2</sub> O	50.00	mg
ZnCl <sub>2</sub>	42.00	mg
NiCl <sub>2</sub> x 6 H <sub>2</sub> O	24.00	mg
Na <sub>2</sub> MoO <sub>4</sub> x 2 H <sub>2</sub> O	18.00	mg
CuCl <sub>2</sub> x 2 H <sub>2</sub> O	2.00	mg

Sterilized by filtration.