

**818. CHRYSIOGENES MEDIUM**

NaCl	1.20	g
KCl	0.30	g
NH <sub>4</sub> Cl	0.30	g
KH <sub>2</sub> PO <sub>4</sub>	0.20	g
Na <sub>2</sub> SO <sub>4</sub>	0.30	g
MgCl <sub>2</sub> x 6 H <sub>2</sub> O	0.40	g
CaCl <sub>2</sub> x 2 H <sub>2</sub> O	0.15	g
Trace element solution SL-11 (see medium 722)	1.00	ml
Na-resazurin solution (0.1% w/v)	0.50	ml
NaHCO <sub>3</sub>	0.60	g
KNO <sub>3</sub>	0.50	g
Vitamin solution (see medium 141)	9.00	ml
Vitamin solution (see medium 503)	1.00	ml
Na-acetate	0.50	g
Distilled water	1000.00	ml

Dissolve ingredients except bicarbonate, nitrate, vitamins and acetate. Sparge medium with 100% N<sub>2</sub> gas for 30 – 45 min to make it anoxic, adjust pH to 7.0 – 7.4, then dispense under same gas atmosphere into anoxic Hungate-type tubes or serum vials and autoclave. Add nitrate, vitamins and acetate from sterile anoxic stock solutions prepared under 100% N<sub>2</sub> gas and bicarbonate from a sterile anoxic stock solution prepared under 80% N<sub>2</sub> and 20% CO<sub>2</sub> gas atmosphere. Vitamins should be sterilized by filtration. The pH of the complete medium should be adjusted to 7.4 - 7.8, if necessary.

For [DSM 16346](#) supplement medium with 0.80 g/l yeast extract and replace Na-acetate with 1.10 g/l Na-L-lactate.