

**806. THERMOCOCCUS MEDIUM**

KCl	0.330	g
MgCl <sub>2</sub> x 2 H <sub>2</sub> O	2.700	g
MgSO <sub>4</sub> x 7 H <sub>2</sub> O	3.400	g
NH <sub>4</sub> Cl	0.250	g
CaCl <sub>2</sub> x 2 H <sub>2</sub> O	0.140	g
K <sub>2</sub> HPO <sub>4</sub>	0.140	g
Na <sub>2</sub> SeO <sub>3</sub>	0.001	mg
NiCl <sub>2</sub> x 6 H <sub>2</sub> O	0.001	mg
NaHCO <sub>3</sub>	1.000	g
NaCl	18.000	g
Resazurin	0.001	g
Cysteine-HCl x H <sub>2</sub> O	0.500	g
Na <sub>2</sub> S x 9 H <sub>2</sub> O	0.500	g
Trace element solution (medium 141)	10.000	ml
Vitamin solution (medium 141)	10.000	ml
Yeast extract	1.000	g
Trypticase	1.000	g
Sulphur	5.000	g
Distilled water	980.000	ml

Prepare the medium without NaHCO<sub>3</sub>, cysteine hydrochloride, Na<sub>2</sub>S x 9 H<sub>2</sub>O, and vitamin solution. Boil the medium and cool under N<sub>2</sub>. Add the NaHCO<sub>3</sub> to the cooled medium and adjust the pH to about pH 7.2. Sterilise the medium at 100°C for 3 hours on 3 consecutive days. Reduce the medium by adding 10% neutralised sodium sulphide and cysteine hydrochloride from sterile stock solutions. The vitamins are added from a sterile (filter sterilised) stock solution prepared under nitrogen. The final pH is 7.2.