

## Main sol. 1583

NH <sub>4</sub> Cl	535.00	mg
KH <sub>2</sub> PO <sub>4</sub>	54.00	mg
KCl	74.00	mg
MgSO <sub>4</sub> x 7 H <sub>2</sub> O	49.00	mg
CaCl <sub>2</sub> x 2 H <sub>2</sub> O	147.00	mg
NaCl	584.00	mg
<b>Trace element solution</b>	1.00	ml
<b>Cresol red solution 0.5 g/L</b>	2.00	ml
Distilled water	1000.00	ml

1. Autoclave, subsequently adjust pH of the medium to about 7.8 by addition of sterile 10% NaHCO<sub>3</sub> (medium is turning from yellow to pink).
2. Important: During growth, add NaHCO<sub>3</sub> to readjust pH as soon as pH indicator changes to yellow. For stock cultures, 5 g l<sup>-1</sup> CaCO<sub>3</sub> (will stay as a precipitate) or 4.8 g l<sup>-1</sup> HEPES may be added to keep pH neutral for a longer time.
3. Aeration must be adjusted according to the density and activity of the culture. At low cell concentrations (which is the case most of the time) cells are sensitive to strong aeration (don't shake the cultures).