

## Main sol. 1712

KH <sub>2</sub> PO <sub>4</sub>	0.50	g
NH <sub>4</sub> Cl	0.30	g
MgSO <sub>4</sub> × 7 H <sub>2</sub> O	0.50	g
CaCl <sub>2</sub> × 2 H <sub>2</sub> O	0.10	g
NaNO <sub>3</sub>	0.60	g
Distilled water	950.00	mL

1. The medium was autoclaved and removed from the autoclave at 85°C. Oxygen dissolution was prevented by exchanging the gas-phase with N<sub>2</sub>. The medium was complemented by addition of the following stock solutions:

<b>Trace element solution</b>	1.00	mL/L
<b>Vitamin mixture</b>	1.00	mL/L
<b>Vitamin B<sub>12</sub> solution</b>	1.00	mL/L
<b>Bicarbonate solution (1M)</b>	40.00	mL/L

2. After adding bicarbonate the gas was changed from N<sub>2</sub> to N<sub>2</sub>/CO<sub>2</sub> (90/10 %, v/v) and the pH was adjusted to 7.2 - 7.4 with sterile 2 M HCL.

<b>Ascorbate solution (1M)</b>	4.00	mL/L
<b>Benzoate solution (1M)</b>	4.00	mL/L