

**289: RUMINICLOSTRIDIUM PAPYROSOLVENS MEDIUM**

Sea water (filtered)	200.00	ml
<b>Mineral salt solution</b>	150.00	ml
NH <sub>4</sub> Cl	1.00	g
Yeast extract	0.60	g
K <sub>2</sub> HPO <sub>4</sub>	1.65	g
Sodium resazurin (0.1% w/v)	0.50	ml
L-Cysteine HCl x H <sub>2</sub> O	0.50	g
Cellobiose	5.00	g
Cellulose, Lens tissue or MN 301 (optional)	5.00	g
Distilled water	650.00	ml

1. Dissolve ingredients (except cysteine and cellobiose) and sparge medium with 100% N<sub>2</sub> gas for 30 - 45 min to make it anoxic. Add cysteine, adjust pH to 7.2 and dispense under 100% N<sub>2</sub> gas atmosphere into anoxic Hungate-type tubes or serum vials and autoclave. After sterilization add cellobiose from an anoxic stock solution sterilized by filtration.

2. Note: Some strains can be adapted to cellulose as substrate using 5.0 g/l cellulose (Lens tissue, OXOID; or cellulose powder MN 301, MACHEREY-NAGEL). If necessary adjust pH of completed medium to 7.2.

**Mineral salt solution**

(NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub>	6.00	g
NaCl	6.00	g
MgSO <sub>4</sub> x 7 H <sub>2</sub> O	1.20	g
CaCl <sub>2</sub> x 2 H <sub>2</sub> O	0.80	g
Distilled water	1000.00	ml