

701. HALOANAEROBACTER CHITINOVORANS MEDIUM

NH ₄ Cl	1.000	g
MgCl ₂ x 6 H ₂ O	7.000	g
MgSO ₄ x 7 H ₂ O	9.600	g
CaCl ₂ x 2 H ₂ O	0.500	g
KCl	3.800	g
K ₂ HPO ₄ x 3 H ₂ O	0.400	g
NaCl	10.000	g
NaHCO ₃	3.000	g
Na ₂ CO ₃	1.000	g
Na ₂ S x 9 H ₂ O	0.500	g
Yeast extract	1.000	g
L-Cysteine	0.500	g
Resazurin	0.001	g
Substrate (glucose, chitin etc.)	5.000	g
Trace element solution SL 6 (see medium 141)	1.000	ml
Distilled water	1000.000	ml

pH 7.2

Prepare the medium without the Na₂S, Na₂CO₃, NaHCO₃, L-cysteine and substrate. Boil the medium and cool under a stream of nitrogen. Add the Na₂CO₃ and NaHCO₃. Adjust the pH to 7.2. If chitin is used as the substrate it must be added before autoclaving. Autoclave the medium and add the Na₂S (from a sterile, neutralized stock solution prepared under nitrogen), L-cysteine (from a stock solution prepared under nitrogen), and the glucose or N-acetylglucosamine (if used as substrate) from sterile stock solution prepared under nitrogen. Check the final pH.