

## 702. HALOCELLA CELLULOLYTICA MEDIUM

Use medium 591 with the following modifications:

NaCl	150.0	g
Yeast extract	2.0	g
MgCl <sub>2</sub> x 6 H <sub>2</sub> O	3.3	g
NaHCO <sub>3</sub>	2.5	g
Microcrystalline cellulose or cellobiose	5.0	g
Distilled water	1000.0	ml

Omit the peptone. Prepare the medium without NaHCO<sub>3</sub>, Na<sub>2</sub>S, cellobiose or vitamins, boil and cool under a stream of nitrogen. Add the NaHCO<sub>3</sub> and autoclave the medium. Na<sub>2</sub>S, cellobiose and vitamins are added from sterile, anaerobic stock solutions just before inoculating. When medium is prepared using microcrystalline cellulose instead of cellobiose as a substrate the microcrystalline cellulose must be added to the medium before autoclaving at the appropriate concentration. The final pH is 7.0.