

**255: CLOSTRIDIUM (GS) MEDIUM**

KH <sub>2</sub> PO <sub>4</sub>	0.50	g
K <sub>2</sub> HPO <sub>4</sub> x 3 H <sub>2</sub> O	1.00	g
Urea	2.00	g
MgCl <sub>2</sub> x 6 H <sub>2</sub> O	0.50	g
CaCl <sub>2</sub> x 2 H <sub>2</sub> O	0.05	g
FeSO <sub>4</sub> x 7 H <sub>2</sub> O (0.1% w/v in 0.1 N H <sub>2</sub> SO <sub>4</sub> )	1.25	ml
Morpholinopropane sulfonic acid	10.00	g
Sodium resazurin (0.1% w/v)	0.50	ml
Yeast extract	6.00	g
L-Cysteine HCl x H <sub>2</sub> O	1.00	g
Cellobiose	5.00	g
Distilled water	1000.00	ml

Dissolve ingredients except cysteine and cellobiose and adjust pH to 7.2. Sparge medium with 100% N<sub>2</sub> gas for 30 - 45 min to make it anoxic, then add cysteine and readjust pH to 7.2, if necessary. Dispense medium under the same gas atmosphere into anoxic Hungate-type tubes or serum vials and autoclave. Prior to inoculation add cellobiose from an anoxic stock solution prepared under 100% N<sub>2</sub> gas and sterilized by filtration.

For [DSM 2360](#), [DSM 103556](#), [DSM 111537](#): Replace cellobiose with 5.00 g/l D-glucose added to the medium after autoclaving from an anoxic stock solution sterilized by filtration.

For [DSM 29353](#): With 1% cellobiose; anaerobic

For [DSM 101079](#): Add to the medium prior to autoclaving a stripe of lens cleaning tissue made of cellulose (e.g., from MACHEREY-NAGEL).