

255. CLOSTRIDIUM (GS) MEDIUM

KH ₂ PO ₄	0.50	g
K ₂ HPO ₄ x 3 H ₂ O	1.00	g
Urea	2.00	g
MgCl ₂ x 6 H ₂ O	0.50	g
CaCl ₂ x 2 H ₂ O	0.05	g
FeSO ₄ x 7 H ₂ O solution (0.1% w/v in 0.1 N H ₂ SO ₄)	1.25	ml
Morpholinopropane sulfonic acid	10.00	g
Na-resazurin solution (0.1% w/v)	0.50	ml
Yeast extract	6.00	g
L-Cysteine-HCl x H ₂ 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% N₂ 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% N₂ gas and sterilized by filtration.

For [DSM 2360](#) and [DSM 103556](#) 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 101079](#) add to the medium prior to autoclaving a stripe of lens cleaning tissue made of cellulose (e.g., from MACHEREY-NAGEL).