

860. CLOSTRIDIUM (HESP1) MEDIUM

NH ₄ Cl	1.0	g
K ₂ HPO ₄	0.3	g
KH ₂ PO ₄	0.3	g
MgCl ₂ x 6 H ₂ O	0.2	g
CaCl ₂ x 2 H ₂ O	0.1	g
KCl	0.1	g
NaCl	0.6	g
Yeast extract	1.0	g
Trace element solution SL-10 (see medium 320)	1.5	ml
Na-resazurin solution (0.1% w/v)	0.5	ml
NaHCO ₃	4.5	g
D-Fructose	4.0	g
L-Cysteine-HCl x H ₂ O	0.5	g
Na ₂ S x 9 H ₂ O	0.3	g
Distilled water	1000.0	ml

Dissolve ingredients except bicarbonate, fructose, cysteine and sulfide, then sparge medium with 80% N₂ and 20% CO₂ gas mixture for 30 – 45 min to make it anoxic. Dispense medium under the same gas atmosphere into anoxic Hungate-type tubes or serum vials and autoclave. Add fructose, cysteine and sulfide from sterile anoxic stock solutions prepared under 100% N₂ gas and bicarbonate from a sterile anoxic stock solution prepared under 80% N₂ and 20% CO₂ gas mixture. Prior to use adjust pH of complete medium to 7.0 - 7.2, if necessary.

For [DSM 12504](#) replace fructose with 1.0 g/l syringic acid.

For [DSM 13105](#) and [DSM 19740](#) replace fructose with 2.5 g/l Na₂S₂O₃ x 5 H₂O and adjust pH of complete medium to 7.4.

For [DSM 13106](#) and [DSM 23801](#) replace fructose with 2.0 g/l D-glucose and adjust pH of complete medium to 7.4.