

## 860. ANAEROCOLUMNNA MEDIUM

NH <sub>4</sub> Cl	1.0	g
K <sub>2</sub> HPO <sub>4</sub>	0.3	g
KH <sub>2</sub> PO <sub>4</sub>	0.3	g
MgCl <sub>2</sub> x 6 H <sub>2</sub> O	0.2	g
CaCl <sub>2</sub> x 2 H <sub>2</sub> 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
Na <sub>2</sub> CO <sub>3</sub>	1.5	g
D-Fructose	4.0	g
L-Cysteine-HCl x H <sub>2</sub> O	0.5	g
Na <sub>2</sub> S x 9 H <sub>2</sub> O	0.3	g
Distilled water	1000.0	ml

Dissolve ingredients except carbonate, fructose, cysteine and sulfide, then sparge medium with 80% N<sub>2</sub> and 20% CO<sub>2</sub> 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% N<sub>2</sub> gas and carbonate from a sterile anoxic stock solution prepared under 80% N<sub>2</sub> and 20% CO<sub>2</sub> 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 Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> x 5 H<sub>2</sub>O 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.