

14. CLOSTRIDIUM FORMICOACETICUM MEDIUM

Fructose	5.00	g
Yeast extract	5.00	g
K ₂ HPO ₄	10.00	g
NaHCO ₃	10.00	g
Trace element solution SL-4 (see below)	10.00	ml
Pyridoxine-HCl	1.00	mg
Resazurin	1.00	mg
Na-thioglycolate	0.75	g
Agar, if necessary	15.00	g
Distilled water	1000.00	ml

Prepare medium under 100% N₂. Autoclave fructose separately under N₂ gas. Sterilize sodium bicarbonate separately in an appropriate amount of distilled water a) by Seitz-filtration applying CO₂-pressure or b) by autoclaving in a tightly closed bottle under an atmosphere of CO₂. Adjust final pH to 8.0.

Trace element solution SL-4:

EDTA	0.50	g
FeSO ₄ x 7 H ₂ O	0.20	g
Trace element solution SL-6 (see medium 27)	100.00	ml
Distilled water	900.00	ml

First dissolve EDTA in distilled water by adjusting the pH to 7.0 - 8.0 using a 2 M solution of NaOH; then add ferrous sulfate and the trace element solution SL-6.