

1323. METHYLOCAPSA AUREA MEDIUM**Solution A:**

NaNO ₃	200.00	mg
MgSO ₄ x 6 H ₂ O	200.00	mg
CaCl ₂ x 2 H ₂ O	40.00	mg
FeEDTA solution	3.00	ml
100mM Phosphate buffer pH 5.8	10.00	ml
Trace elements	1.00	ml
Distilled water	986.00	ml

Trace elements:

EDTA	5.00	g
CuCl ₂ x 5 H ₂ O	0.10	g
FeSO ₄ x 7 H ₂ O	2.00	g
ZnSO ₄ x 7 H ₂ O	0.10	g
NiCl ₂ x 6 H ₂ O	0.02	g
CoCl ₂ x 6 H ₂ O	0.20	g
Na ₂ MoO ₄	0.03	g
Distilled water	1000.00	ml

FeEDTA solution:

FeSO ₄ x 7 H ₂ O	1.54	g
Na ₂ EDTA	2.06	g
Distilled water	1000.00	ml

100mM Phosphate buffer:

K ₂ HPO ₄ x 3 H ₂ O	1.71	g
KH ₂ PO ₄	12.58	g
Distilled water	1000.00	ml

pH 5.8

Final pH 5:0-5.8.

20-30% methane is added to the gas phase. The strain should be grown with shaking.