1322. METHYLOFERULA STELLATA MEDIUM

KH_2PO_4	100.00	mg
$(NH_4)_2SO_4$	100.00	mg
$MgSO_4$ x 7 H_2O	50.00	mg
$CaCl_2$ x 2 H_2O	10.00	mg
NaCl	20.00	mg
FeEDTA solution	3.00	ml
Trace elements	1.00	ml
Methanol	10.0	ml
Distilled water	1000.00	ml

Trace elements:

EDTA	5.00	g
$CuCl_2$ x 5 H_2O	0.10	g
$FeSO_4$ x 7 H_2O	2.00	g
$ZnSO_4$ x 7 H_2O	0.10	g
$NiCl_2$ x 6 H_2O	0.02	g
$CoCl_2$ x 6 H_2O	0.20	g
Na_2MoO_4	0.03	g
Distilled water	1000.00	ml

FeEDTA solution:

$FeSO_4$ x 7 H_2O	1.54	g
Na_2EDTA	2.06	g
Distilled water	1000.00	ml

Final pH 5:0-5.8.
The medium is fairly weakly buffered so the pH should be checked before and after autoclaving. The pH should be adjusted with H_3PO_4 (sterilised if added to sterile medium). The strain should be grown with shaking.

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