976. METHYLOPHAGA ALCALICA MEDIUM

KH_2PO_4	1.00	g
KNO_3	1.00	g
$MgSO_4$ x 7 H_2O	0.22	g
NaCl	30.00	g
Na_2CO_3	5.00	g
Trace elements	1.00	ml
Distilled water	1000.00	ml

Final pH 9.5

Trace elements solution:

Ferric citrate	30.00	mg
$CaCl_2$ x 2 H_2O	30.00	mg
$MgCl_2$ x 4 H_2O	5.00	mg
$ZnSO_4$ x 7 H_2O	5.00	mg
$CuSO_4$ x 5 H_2O	0.50	g
Distilled water	1000.00	ml

Prepare the medium without the Na_2CO_3, which can be sterilised separately by autoclaving. 10 ml/l sterile methanol is added to the cooled medium. When preparing liquid media cool the mineral salts solution and Na_2CO_3 to room temperature before mixing. When preparing agar add 2.0 % agar to the mineral salts solution and autoclave. Cool the Na_2CO_3 stock solution and agar to 50-55°C before mixing.