1533. MARINIFILUM MEDIUM (IRD MEDIUM)

KH_2PO_4	0.3	g
K_2HPO_4	0.3	g
NH_4Cl	1.0	g
NaCl	25.0	g
KCl	0.1	g
$CaCl_2$ x$2H_2O$	0.1	g
Cysteine HCl	0.5	g
Yeast extract Oxoid	1.0	g
Trace mineral element solution (see medium 941)	1	mL
Resazurin (0.1%)	1	mL
Distilled water	1000.00	ml

pH 7.0

Add after autoclave

$MgCl_2$ x 6 H_2O (150.0 g/l)	20 ml/l
$NaHCO_3$ (10%)	20 ml/l
Na_2S x 9 H_2O (2%)	20 ml/l
Glucose (1M)	20 ml/l

Prepare the medium without $NaHCO_3$, Na_2S x 9 H_2O, $MgCl_2$ x 6 H_2O and glucose. Boil the medium in a water bath and cool under a stream of N_2/CO_2 (80/20). Add the $NaHCO_3$ to the cooled medium (the pH should be 7.0) and dispense the medium into Hungate tubes or serum bottles under a stream of N_2/CO_2 (80/20). Seal the tubes under N_2/CO_2 (80/20) and autoclave. To the cooled medium at the appropriate amounts of Na_2S x 9 H_2O, $MgCl_2$ x 6 H_2O and glucose from sterile, anaerobic stock solutions.