926. ALKALIPHILIC THERMOCOCCUS MEDIUM

NaCl	27.70	g
$MgSO_4$ x 7 H_2O	7.00	g
$MgCl_2$ x 6 H_20	5.50	g
KCl	0.65	g
NaBr	0.10	g
$NaHCO_3$	0.32	g
K_2HPO_4	1.00	g
$CaCl_2$ x 2 H_2O	0.05	mg
Trace element solution (see medium 141)	20.00	ml
KI	15.00	mg
H_3BO_3	0.03	g
Distilled water	2000.00	ml

Prepare the medium anaerobically under nitrogen. Do not adjust the pH.

Prepare separate anaerobic stock solutions of, Casamino acids(10%), Yeast extract (10%), and glycine (2M = 150 g/l). A 0.5M polysulphide solution is prepared by dissolving 12.0 g Na_2S x 9 H_2O in oxygen free water, followed by adding 1.6 g sulphur - the solution will be dark yellow.

To the sterile, anaerobic, mineral medium add:
0.12 ml polysulphide/10 ml medium, yeast extract to a final concentration of 0.2% and glycine to a final concentration of 0.1 M for DSM 10322.

0.08 ml polysulphide/10 ml medium, casamino acids to a final concentration of 0.2% for DSM 11906. The may be precipitation of material and the medium will turn pale yellow due to the addition of the polysulphide. The colour will disappear as the strain grows.