76: GOTTSCHALKIA MEDIUM

KOH	0.67	g
K_2HPO_4	0.91	g
Uric acid	2.00	g
$MgSO_4$ x 7 H_2O	0.25	g
$CaCl_2$ x 2 H_2O	15.00	mg
$FeSO_4$ x 7 H_2O (0.1% w/v in 0.1 N H_2SO_4)	6.00	ml
Trace element solution SL-10	1.00	ml
Selenite-tungstate solution	1.00	ml
Yeast extract	1.00	g
Sodium resazurin (0.1% w/v)	0.50	ml
Na_2CO_3	1.50	g
Na-thioglycolate	0.50	g
Distilled water	1000.00	ml

First dissolve KOH and K_2HPO_4 in water, then add uric acid and boil until the acid is dissolved. Cool medium to room temperature under 100% N_2 gas atmosphere and add all other compounds, except carbonate and thioglycolate. Dispense under 100% N_2 gas atmosphere into anoxic Hungate-type tubes or serum vials and autoclave for 15 min at 121°C. Then add carbonate (filter-sterilized stock solution prepared under 80% N_2 and 20% CO_2 gas atmosphere) and thioglycolate (stock solution, autoclaved separately under 100% N_2 gas). Adjust pH of complete medium to 7.0 - 7.5, if necessary.

Trace element solution SL-10 (from medium 320)

HCl (25%)	10.00	ml
$FeCl_2$ x 4 H_2O	1.50	g
$ZnCl_2$	70.00	mg
$MnCl_2$ x 4 H_2O	100.00	mg
H_3BO_3	6.00	mg
$CoCl_2$ x 6 H_2O	190.00	mg
$CuCl_2$ x 2 H_2O	2.00	mg
$NiCl_2$ x 6 H_2O	24.00	mg
Na_2MoO_4 x 2 H_2O	36.00	mg
Distilled water	990.00	ml

First dissolve $FeCl_2$ in the HCl, then dilute in water, add and dissolve the other salts. Finally make up to 1000.00 ml.

Selenite-tungstate solution (from medium 385)

NaOH	0.50	g
Na_2SeO_3 x 5 H_2O	3.00	mg

Na_2WO_4 x 2 H_2O	4.00	mg
Distilled water	1000.00	ml