

76. GOTTSCHALKIA MEDIUM

KOH	0.67	g
K ₂ HPO ₄	0.91	g
Uric acid	2.00	g
MgSO ₄ x 7 H ₂ O	0.25	g
CaCl ₂ x 2 H ₂ O	15.00	mg
FeSO ₄ x 7 H ₂ O solution (0.1% w/v in 0.1 N H ₂ SO ₄)	6.00	ml
Trace element solution SL-10 (see medium 320)	1.00	ml
Selenite-tungstate solution (see medium 385)	1.00	ml
Yeast extract	1.00	g
Na-resazurin solution (0.1% w/v)	0.50	ml
Na ₂ CO ₃	1.50	g
Na-thioglycolate	0.50	g
Distilled water	1000.00	ml

First dissolve KOH and K₂HPO₄ in water, then add uric acid and boil until the acid is dissolved. Cool medium to room temperature under 100% N₂ gas atmosphere and add all other compounds, except carbonate and thioglycolate. Dispense under 100% N₂ 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% N₂ and 20% CO₂ gas atmosphere) and thioglycolate (stock solution, autoclaved separately under 100% N₂ gas). Adjust pH of complete medium to 7.0 - 7.5, if necessary.