76. GOTTSCHALKIA MEDIUM

KOH  0.67  g
K₂HPO₄  0.91  g
Uric acid  2.00  g
MgSO₄ x 7 H₂O  0.25  g
CaCl₂ x 2 H₂O  15.00  mg
FeSO₄ x 7 H₂O solution (0.1% w/v in 0.1 N H₂SO₄)  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
Na₂CO₃  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.