

965. THERMOANAEROBACTER KREATINOPHILUS MEDIUM

NH ₄ Cl	1.00	g
K ₂ HPO ₄	0.30	g
KH ₂ PO ₄	0.30	g
MgCl ₂ x 6 H ₂ O	0.50	g
NaCl	2.00	g
KCl	0.20	g
CaCl ₂ x 2 H ₂ O	0.05	g
Yeast extract (OXOID)	1.00	g
Tryptone (BD Bacto)	2.00	g
Trace elements solution (see medium 141)	10.00	ml
Soluble Starch	10.00	g
Na-resazurin solution (0.1% w/v)	0.50	ml
L-Cysteine-HCl x H ₂ O	0.50	g
Na ₂ S ₂ O ₃ x 5 H ₂ O	5.00	g
Distilled water	1000.00	ml

Dissolve ingredients (except cysteine and thiosulfate), bring medium to the boil then cool to room temperature under 100% N₂ gas atmosphere. Add cysteine and adjust pH to 7.5, then dispense medium under 100% N₂ gas atmosphere into anoxic Hungate-type tubes or serum vials and autoclave. Before inoculation, add thiosulfate from a sterile anoxic stock solution prepared under 100% N₂ gas and sterilized by filtration. Adjust pH of complete medium to 7.5, if necessary.