

824. TISSIERELLA CREATINOPHILA MEDIUM

Na-formate	2.72	g
KH ₂ PO ₄	0.20	g
NaCl	0.50	g
KCl	1.00	g
MgSO ₄ x 7 H ₂ O	0.50	g
CaCl ₂ x 2 H ₂ O	0.15	g
NH ₄ Cl	0.25	g
Trace element solution SL-10 (see medium 320)	1.00	ml
Selenite-tungstate solution (see medium 385)	1.00	ml
Creatine	3.80	g
Yeast extract	2.00	g
Na-resazurin solution (0.1% w/v)	0.50	ml
NaHCO ₃	4.00	g
Vitamins solution (see medium 141)	9.00	ml
Vitamins solution (see medium 503)	1.00	ml
Na ₂ S x 9 H ₂ O	0.50	g
Distilled water	1000.00	ml

Dissolve ingredients except bicarbonate, vitamins and sulfide. Sparge medium with 100% N₂ gas for 30 – 45 min to make it anoxic. Dispense medium under the same gas atmosphere into anoxic Hungate-type tubes and autoclave. Add vitamins and sulfide from sterile anoxic stock solutions prepared under 100% N₂ gas (vitamins are sterilized by filtration) and bicarbonate from a sterile anoxic stock solution prepared under 80% N₂ and 20% CO₂ gas mixture. Prior to use adjust pH of complete medium to 7.5 - 8.0.