

524. FLEXISTIPES MEDIUM

NaCl	58.35	g
MgCl ₂ x 6 H ₂ O	37.80	g
Na ₂ SO ₄	9.72	g
CaCl ₂ x 2 H ₂ O	7.14	g
KCl	1.65	g
KBr	0.24	g
SrCl ₂ x 6 H ₂ O	0.17	g
H ₃ BO ₃	0.66	g
Na ₂ HPO ₄ x 2 H ₂ O	0.03	g
Na-meta silicate	12.00	mg
NaF solution (0.1% w/v)	7.00	ml
Na-resazurin solution (0.1% w/v)	0.50	ml
NaHCO ₃	0.50	g
Yeast extract	1.00	g
KNO ₃	0.25	g
Na ₂ S x 9 H ₂ O	0.50	g
Distilled water	1000.00	ml

Dissolve ingredients except bicarbonate, yeast extract, nitrate and sulfide, adjust pH to 6.0 – 6.2 using sulfuric acid and sparge medium with 100% N₂ gas for 30 – 45 min to make it anoxic. Dispense medium under same gas atmosphere into anoxic Hungate-type tubes or serum vials and autoclave. Complete medium by adding yeast extract, nitrate and sulfide from sterile anoxic stock solutions prepared under 100% N₂ gas atmosphere and bicarbonate from a sterile anoxic stock solution prepared under 80% N₂ and 20% CO₂. Adjust pH of complete medium to 6.5.