

**524: FLEXISTIPES MEDIUM**

NaCl	58.35	g
MgCl <sub>2</sub> x 6 H <sub>2</sub> O	37.80	g
Na <sub>2</sub> SO <sub>4</sub>	9.72	g
CaCl <sub>2</sub> x 2 H <sub>2</sub> O	7.14	g
KCl	1.65	g
KBr	0.24	g
SrCl <sub>2</sub> x 6 H <sub>2</sub> O	0.17	g
H <sub>3</sub> BO <sub>3</sub>	0.66	g
Na <sub>2</sub> HPO <sub>4</sub> x 2 H <sub>2</sub> O	0.03	g
Na-metasilicate	12.00	mg
NaF (0.1% w/v)	7.00	ml
Sodium resazurin (0.1% w/v)	0.50	ml
NaHCO <sub>3</sub>	0.50	g
Yeast extract	1.00	g
KNO <sub>3</sub>	0.25	g
Na <sub>2</sub> S x 9 H <sub>2</sub> 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% N<sub>2</sub> 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% N<sub>2</sub> gas atmosphere and bicarbonate from a sterile anoxic stock solution prepared under 80% N<sub>2</sub> and 20% CO<sub>2</sub>. Adjust pH of complete medium to 6.5.