

**1231. HALOPLASMA CONTRACTILE MEDIUM**

NaCl	80.0	g
KH <sub>2</sub> PO <sub>4</sub>	0.5	g
Yeast extract	0.2	g
Peptone	0.2	g
Starch	5.0	g
Na <sub>2</sub> S x 9 H <sub>2</sub> O	0.5	g
Resazurin	0.5	µg
Artificial seawater	250.0	ml
Distilled water	750.0	ml

**Artificial seawater:**

NaCl	27.70	g
MgSO <sub>4</sub> x 7 H <sub>2</sub> O	7.00	g
MgCl <sub>2</sub> x 6 H <sub>2</sub> O	5.50	g
KCl	0.60	g
NaBr	0.10	g
H <sub>3</sub> BO <sub>3</sub>	0.03	g
CaCl <sub>2</sub> x 2 H <sub>2</sub> O	1.50	g
SrCl <sub>2</sub> x 6 H <sub>2</sub> O	15.00	mg
KI	0.05	mg
Double distilled water	1000.00	ml

Adjust pH to 5.5 – 6.0.

Prepare the medium without the Na<sub>2</sub>S x 9 H<sub>2</sub>O by boiling and cooling under a nitrogen atmosphere. Adjust the pH to 6.5 – 7.0. Dispense into Hungate tubes or serum bottles fitted with butyl rubber stoppers. Autoclave and reduce the medium before use by adding the appropriate amount of Na<sub>2</sub>S x 9 H<sub>2</sub>O from a neutralised, sterile stock solution.