

999. HALORHODOSPIRA MEDIUM

KH ₂ PO ₄	1.00	g
CaCl ₂ x 2 H ₂ O	0.05	g
NH ₄ Cl	0.50	g
NaCl	100.00	g
MgCl ₂ x 6 H ₂ O	2.00	g
MgSO ₄ x 7 H ₂ O	1.00	g
Distilled water	1000.00	ml

After autoclaving 20 min at 121°C, the following sterile solutions are added:

NaHCO ₃ (20%)	10.00	ml
Na ₂ S x 9 H ₂ O (10%)	7.50	ml
Vitamin solution V7 (see medium 998)	1.00	ml
Trace element solution SL12 (see medium 998)	1.00	ml

The pH is adjusted to pH 7.2-7.4. For better growth of pure cultures, the growth medium should be supplemented with acetate (2 mM final concentration), succinate (1 mM final concentration) and yeast extract (0.5 g/l). Pure cultures should be incubated at 30°C and light intensity of 500 lux from a tungsten lamp (16 h light, 8 h dark). Pure cultures in liquid medium can be stored in 60 ml screw cap bottles at 4°C in the dark.