

890. VM1 MEDIUM

NaCl	20.00	g
MgCl ₂ x 6 H ₂ O	12.60	g
NaHCO ₃	0.16	g
K ₂ HPO ₄	0.20	g
NH ₄ Cl	0.30	g
Na ₂ SO ₄	3.24	g
CaCl ₂ x 2 H ₂ O	2.38	g
KCl	0.56	g
Sulfur, powdered	0.50	g
Trace element solution (see medium 141)	10.00	ml
Distilled water	1000.00	ml

Adjust pH to 7.0 using H₂SO₄.

Prepare the medium under H₂ gas and fill 20 ml medium into 100 ml serum bottles and seal with a rubber stopper. Steam medium for 3 hours on each of 3 successive days. Give an atmosphere of H₂/CO₂/O₂ (78/20/2) with an overpressure of two atmospheres. Incubate under shaking at 65°C.

For *heterotrophic growth* add yeast extract 1.0 g, peptone 5.0 g and starch 2.0 g to above medium. Incubate at 65°C in gas phase of 80% N₂ and 20% air.