

379. CHROMATIUM TEPIDUM MEDIUM

Na ₂ -EDTA	10.0	mg
MgSO ₄ x 7 H ₂ O	200.0	mg
CaCl ₂ x 2 H ₂ O	50.0	mg
NH ₄ Cl	400.0	mg
NaCl	400.0	mg
(NH ₄) acetate or Na-pyruvate	0.5	mg
KH ₂ PO ₄	0.5	mg
NaHCO ₃	2.0	g
Na ₂ S x 9 H ₂ O	1.0	g
Trace element solution (see below)	1.0	ml
Deionized water	1000.0	ml

Prepare bicarbonate and sulfide as separate solutions. Sterilize all solutions by autoclaving. After cooling mix all three solutions, adding the sulfide last. Adjust pH to 7.0 and dispense in completely filled screw-capped tubes or bottles. Incubate at 500 - 1000 Lux light intensity.

Trace element solution:

Na ₂ -EDTA	5.2	g
FeCl ₂ x 4 H ₂ O	1.5	g
ZnCl ₂	70.0	mg
MnCl ₂ x 4 H ₂ O	100.0	mg
H ₃ BO ₃	6.0	mg
CoCl ₂ x 6 H ₂ O	190.0	mg
CuCl ₂ x 2 H ₂ O	2.0	mg
NiCl ₂ x 6 H ₂ O	25.0	mg
Na ₂ MoO ₄ x 2 H ₂ O	188.0	mg
VO ₂ SO ₄ x 2 H ₂ O	30.0	mg
Na ₂ WO ₄ x 2 H ₂ O	2.0	mg
Deionized water	1000.0	ml