

518: GUYPARKERIA MEDIUM

Na ₂ HPO ₄ x 2 H ₂ O	7.90	g
KH ₂ PO ₄	1.50	g
NaCl	50.00	g
MgSO ₄ x 7 H ₂ O	0.10	g
NH ₄ Cl	0.40	g
Phenol red (saturated aq. solution)	12.50	ml
Trace element solution	10.00	ml
Na ₂ S ₂ O ₃ x 5 H ₂ O	5.00	g
Agar, for solid medium (optional)	15.00	g
Distilled water	1000.00	ml

Dissolve ingredients except thiosulfate and adjust pH of medium to 7.3 - 7.5. Add thiosulfate to the medium after autoclaving from a sterile stock solution sterilized by filtration. For liquid medium also sterilize the phosphates separately in 1/10 of medium volume.

Trace element solution (from medium 333)

Na ₂ -EDTA	50.00	g
ZnSO ₄ x 7 H ₂ O	11.00	g
CaCl ₂ x 2 H ₂ O	7.34	g
MnCl ₂ x 4 H ₂ O	2.50	g
CoCl ₂ x 6 H ₂ O	0.50	g
(NH ₄) ₆ Mo ₇ O ₂₄ x 4 H ₂ O	0.50	g
FeSO ₄ x 7 H ₂ O	5.00	g
CuSO ₄ x 5 H ₂ O	0.20	g
NaOH	11.00	g
Distilled water	1000.00	ml

Dissolve EDTA in distilled water and adjust pH to 7.0 using 2 N NaOH; then add other compounds. Adjust pH of final solution to 6.0 with NaOH.