

298a. LuPhet1 MEDIUM

KH ₂ PO ₄	0.20	g
NH ₄ Cl	0.25	g
NaCl	1.00	g
MgCl ₂ x 6 H ₂ O	0.40	g
KCl	0.50	g
CaCl ₂ x 2 H ₂ O	0.15	g
Yeast extract	1.00	g
Trace element solution SL-10 (see medium 320)	1.00	ml
Selenite-tungstate solution (see medium 385)	1.00	ml
Na-resazurin solution (0.1% w/v)	0.50	ml
Na ₂ CO ₃	1.50	g
Na-DL-lactate	1.50	g
Vitamins solution (see medium 503)	1.00	ml
Na ₂ S x 9 H ₂ O	0.36	g
Distilled water	1000.00	ml

Dissolve ingredients except carbonate, lactate, vitamins, and sulfide, then sparge medium with 80% N₂ and 20% CO₂ gas mixture for 30 – 45 min to make it anoxic. Dispense medium in anoxic tubes or bottles under the same gas atmosphere and autoclave. Add vitamins (sterilized by filtration), lactate and sulfide from sterile anoxic stock solutions prepared under 100% N₂ gas and carbonate from a sterile anoxic stock solution prepared under 80% N₂ and 20% CO₂ gas mixture. Prior to use adjust pH of complete medium to 7.2 - 7.5.