GPT SELECTION:


Media per 500 ml bottle:
- DME: 403 mls (remove 35 mls)
- 10% Dialyzed FCS: 50 mls
- PCN/Strp: 5 mls
- 25X Xanthine: 20 mls
- 100X Glutamine: 5 mls
- 50X HAT: 10 mls
- MPA: 5 mls
- Aminopterin: 1 ml
- Thymidine: 1 ml

Note: for initial 293 selection, use double MPA (50 μg/ml), after initial selection and for 3T3 selection 25 μg/ml is fine.

REAGENTS:

- Dialyzed fetal bovine serum: JRH R-10578, $210
- Xanthine: Sigma X-2001, 5 g, $20.95
- Mycophenolic Acid: Gibco 860-18141H, 500 mg, $147
- Aminopterin: Sigma A3411, 25 mg, $43
- Thymidine: Sigma T1895, 1 g, $10.20
- 50X HAT Supplement: Sigma H-0262, 50 vials, $129

STOCKS:

25X XANTHINE: 6.25 mg/ml; add 1.56 g to 250 ml 0.1N NaOH; filter and store at 4 degrees.

100X MYCOPHENOLIC ACID: 2.5 mg/ml; add 0.25 g to 100 mls 0.1 N NaOH, neutralize with 0.1 N HCl (check with pH paper), filter and freeze in 5 ml aliquots.

50X HAT: dissolve in 10 mls H2O, filter and use immediately or freeze.

500X Aminopterin: 1 mg/ml; add 0.05 g to 50 mls DME, filter and freeze.

500X Thymidine: 3 mg/ml; add 0.15 g to 50 mls DME, filter and freeze.