

- After Coulter count, transfer aliquot to another tube, Calculate aliquot according to

$$\text{Conc.} = C \quad x = \text{no. ml to transfer to 4.5 ml MEMA}$$

$$\frac{Cx}{4.5 + x} = 2 \times 10^6 \quad \Rightarrow \quad x = \frac{9}{4 \times 10^6 C - 2}$$

- Need 300 ml of GTG @ $\frac{50 \text{ Mg/ml}}{3} = 5000 \text{ Mg}$
(3 ml per P100)

$$\text{Stock} = \frac{5 \text{ mg}}{.20 \text{ ml}} = 0.25 \frac{\text{mg}}{\text{ml}} = 250 \frac{\text{Mg}}{\text{ml}}$$

Need 20 ml stock + 280 ml MEMA yields

$$300 \text{ ml @ } 16.7 \text{ Mg/ml}$$

- Add 3 ml of GTG medium to each P100