

10/2/01 Exp w/B5001

Retention Analysis

R1 $\frac{17290}{600 \mu\text{L cells}}$ $\frac{16810}{600 \mu\text{L cells}}$ $\frac{11944}{400 \mu\text{L cells}}$ $\frac{28.9 \text{ cpm}}{16810 \text{ cpm}} = 0.00172$
~~16810 cpm~~
 $\mu\text{L cells}$

Coulter 711 743 727 $727 \times 400 = 290800 \frac{\text{cells}}{\text{mL}}$

$$\text{cpm/cell @ } t = 28 \text{ h} = \frac{28.9}{290.8} = 0.099 \frac{\text{cpm}}{\text{cell}}$$

R2 $\frac{4152}{600 \mu\text{L}}$ $\frac{4404}{600 \mu\text{L}}$ $\frac{4886}{600 \mu\text{L}}$ $\frac{4481 \text{ cpm}}{600 \mu\text{L cells}} = 7.47 \frac{\text{cpm}}{\mu\text{L cells}}$

Coulter 1000 818 965 $955 - 18 = 937 \times 400 = 374933 \frac{\text{cells}}{\text{mL}}$

$$\text{cpm/cell @ } t = 56.5 \text{ h} = \frac{7.47}{374.9} = 0.020 \frac{\text{cpm}}{\text{cell}}$$

R3 4673 4592 4501 $\frac{4589 \text{ cpm}}{600 \mu\text{L cells}} = 7.64 \frac{\text{cpm}}{\mu\text{L cells}}$

Coulter 3100 2959 2903 = $2987 \times 400 = 1.195 \times 10^6 / \text{mL}$

$$\text{cpm/cell @ } t = 78.3 \text{ h} = \frac{7.64}{1195} = 0.0064 \frac{\text{cpm}}{\text{cell}}$$