

Flask 3,  $t = 10.5$  h

3C	12144	11715	12367	12075 $\pm$ 331
3M	1912	1984		<u>1948 <math>\pm</math> 51</u>
				10124 cpm

Counter

2211	2205	2183	2200
			$\times 400 = 879867$ cells/ml

$$\text{Uptake} = \frac{\frac{10124}{0.2 \text{ ml}}}{879867 \frac{\text{cells}}{\text{ml}}} = \boxed{0.058 \text{ cpm/cell } t=10.5 \text{ h}}$$

Flask 4,  $t = 23$  h

4C	43304	40056	44116	42492 $\pm$ 2148
4M	3332	2529		<u>2391 <math>\pm</math> 565</u>
				40101 cpm

Counter

2453	2449	2468	2457
			$\times 400 = 982667$ cells/ml

$$\text{Uptake} = \frac{\frac{40101}{0.2}}{982667} = \boxed{0.20 \frac{\text{cpm}}{\text{cell}} \text{ at } t=23 \text{ h}}$$