|  |  |
| --- | --- |
| Group-Student | CPM for 1 microliter |
| 1-JG | 332,514 |
| 1-CW | 589,952 |
| 2-TB | 242,094 |
| 2-SD | 217,886 |
| 3-LH | 572,415 |
| 3-XU | 245,255 |
| 4-NMR | 311,361 |
| 4-JG | 279,012 |
| Total unfractionated in 1 ul | 700,472 |

**Student results for radioactive RNA synthesis (riboprobe preparation)**

To determine the % CPM in your RNA, take your value above and divide by the total unfractionated sample then multiply by 100.

EXAMPLE: for Group 1, student CW

589,952 / 700,472 X 100 = 84.2%

To determine the number of DPMs in 1 microliter of your sample, divide the CPM value in the table by 0.9. For example, student 1-JG 332,514/0.9 = 369,460 DPM