

Calicheck Lab (Linearity)

1. Place the radioactivity into the dose calibrator and measure it with the designated tube or tubes. Write the measured activity in the second column. Note each cell requires 2 values.
2. Calculate the ratios in column B and write down your answer in column C. This is referred to as your Calibration Factor.
3. This lab needs to be repeated on another day and the data re-entered below. Then compare your CF factors between the two different days and generated a percent difference. Enter than data into the last column. The suggested variation is less than 5%, but must not exceed 10%.

Tubes (add and Combine)	Measured activity	Calibration Factor (CF)	% CF difference on day 2
Black Black	_____		
Black Black + Red	_____		
Black Black + Orange	_____		
Black Black + Yellow	_____		
Black Black + Green	_____		
Black Black + Blue	_____		
Black Black + Purple	_____		
Black Black + Purple + Red	_____		
Black Black + Purple + Orange	_____		
Black Black + Purple + Yellow	_____		
Black Black + Purple + Green	_____		
Black Black + Purple + Blue	_____		

Comment on your results