

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 (mCi)	Calibration Factor	Final Product
	Measured Activity	x Calibration Factor	= Final Product
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			
		Sum of the Products	
		Average of the Products	

Final Product

Should

Equal

±5% in each

Cell

Acceptable Range

5% Below _____

5% Above _____

Link to Manual - <http://anyflip.com/gpad/xfek/basic>

Comment on your results

Name _____