

Lab Exercise - Safe working practices with radionuclides and preparation of counting samples

Date: _____

Name: _____

Supervisor: _____

Idea behind the exercise:

Equipment and settings:

Radioisotopes (energies, half-lives, activities, reference dates):

Report submitted (date): _____

Returned for revision: _____

Accepted: _____

The activity of the initial ^{32}P solution was _____ kBq/ml at the time when the exercise was performed.

Table 1. The activities of the counting samples.

Bottle number	Amount of initial ^{32}P solution (ml)	Activity of ^{32}P in the bottle (kBq/ml)	Sample number	Surface count rate of the sample (cps)
1			1A	
			1B	
			1C	
			1D	
2			2A	
			2B	
			2C	
			2D	
3			3A	
			3B	
			3C	
			3D	
4			4A	
			4B	
			4C	
			4D	
5			5A	
			5B	
			5C	
			5D	

Cs-137 surface contamination was found in: _____