

Radiation Survey of Söll Laboratory

Person surveying: _____ Date: _____ Dr. Söll's Signature: _____

Radiation Safety 785-3550 Radiation Waste 785-3551 Radiation Orders 785-3552

The laboratory is to be surveyed for radioactive contamination at least once a month. This survey form will be given to the people listed below on the stated date. It is very important that we do a good job on this survey in order to assure a clean and safe work environment and to avoid potential fines or laboratory shutdowns. The survey should be done as follows:

1. Check the radiation use sign-in sheets to see what kind and quantity of isotopes have been used recently.
2. Carefully monitor the laboratory with a Geiger counter. Give particular attention to those areas receiving recent use. Record any hot spots (location, cpm, etc.). Major contaminations may require cordoning off the area, alerting laboratory, and contacting radiation safety for starting decontamination. All contaminations should be brought to the attention of the person responsible, if known, and that person should clean it up. If the person responsible cannot be identified the surveyor, and whatever help he or she can solicit, will do the decontamination. Please note any shielding deficiencies and make appropriate corrections. Please note that the radiation storage room-its door handles, waste container lid handles, etc.- should also be monitored. If waste containers there, and in the main lab, are full or nearly full, please notify the person in charge for arranging a pickup. Make sure that all radiation use areas and materials are properly labeled with radiation tape and/or isotope identity labels.
3. Do wipe tests. This should be done with a small paper filter. These are stored in the radiation use materials cabinet and replacements can be obtained from the stockroom. The wipe tests should be done dry and equal surface area should be covered per wipe. Add scintillation fluid and count in the scintillation counter. Staple the results on the upper right hand side of this form. Arrange for decontamination of those areas which have high cpm levels.
4. After the survey and decontamination have been done, have Dieter sign the form, and then the form should be returned for filing.
5. If you have any questions or problems, please see the person in charge.

*Should you be unable to fulfill your date, try to trade with someone else on list and notify the person in charge.

Geiger Counter Survey: Please check the floor near ³²P bench with the counter

Site of contamination / CPM / Isotope / Decontamination Action / CPM after decontamination efforts.

Staple wipe test result here

Wipe Test Survey:

	Wipe Test (CPM)	Comments / Decontamination efforts
1. ³² P bench		
2. Gel shaker bench		
3. Sergey & neighbor's bench		
4. Hui Si & neighbor's bench		
5. Cooling centrifuge bench		
6. Noah & neighbor's bench		
7. Oscar & neighbor's bench		
8. Felix & neighbor's bench		
9. Kyle & neighbor's bench		
10. Li-Tao & Markus E's bench		
11. Plate reader bench		
12. Turbidostat bench		
13. Microcentrifuge in Room 233(Micro GP)		
14. Microcentrifuge in Room 235 (Eppendorf 5424)		
15. Microcentrifuge in Room 235 (Eppendorf 5430R)		
16. Microcentrifuge in Room 237 (Eppendorf 5424)		
17. Microcentrifuge in Room 237 (Biofuge 13)		
18. Microcentrifuge in cold room		
19. Sink in cold room		
20. Sink in Room 237		
21. Gel Dryer (Bio-Rad)		
22. Hybridization oven in the dark room		
23. Radioactive waste hood		
24. Radioisotope freezer		
25. Speed vac. dryer		
26. Control (a filter paper)		

Other comments:
