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 each week. This survey form will be given to the people listed below on the stated date. Please conduct the survey early in the week. 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. Deficiencies in these records should be brought to the attention of the slackers, if known, or to Bethany.

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 Bethany for arranging pickup. Make sure that all radiation use areas and materials are properly labeled with radiation tape and/or isotope identity labels.

3. Do 20 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 to Bethany for filing.

5. If you have any questions or problems please see Jing.

<u>*Should you be unable to fulfill your date, try to trade with someone else on list and notify Jing of the change.</u>

Geiger Counter Survey:

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

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Staple wipe test results here ✗

Wipe Test Survey:

No.	Location of Wipe Test	Wipe Test CPM	Comments/Decontamination efforts
1.	Bethany & Kelly's bench		
2.	Lennart & Lynn's bench		
3.	Liang & Sunna's bench		
4.	Carla's & the neighbor bench		
5.	Pierre & the neighbor bench		
6.	Alex A & the neighbor bench		
7.	Sharath & the neibor bench		
8.	Michael & Hee-Sung's bench		
9.	Stephanie & Markus's bench		
10.	Jing's & Alex C's bench		
11.	Juan's & the neighbor bench		
12.	Microcentrifuge room 233		
13.	Microcentrifuge room 235		
14.	Microcentrifuge room 237		
15.	Microcentrifuge cold room		
16.	Radioisotope freezer		
17.	^{32}P bench		
18.	Radioactive waste hood		
19.	Speed vacuum dryer		
20.	Sinks		

Other Comments:

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