

### CERTIFICATE OF DISPOSITION OF MATERIALS

Estimated burden per response to comply with this mandatory collection request: 30 minutes. This submittal is used by NRC as part of the basis for its determination that the facility is released for unrestricted use. Send comments regarding burden estimate to the Records and FOIA/Privacy Services Branch (T-5 F52), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to infocollects@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0028), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.

LICENSEE NAME AND ADDRESS  
*Eurofins AuTech Laboratories, Inc.*  
*6859 Quality Way*  
*Kalamazoo, MI 49002*

LICENSE NUMBER  
*21-32270-01*

DOCKET NUMBER  
*030-35476*

LICENSE EXPIRATION DATE  
*October 31, 2010*

#### A. LICENSE STATUS (Check the appropriate box)

- This license has expired.  This license has not yet expired; please terminate it.

#### B. DISPOSAL OF RADIOACTIVE MATERIAL

(Check the appropriate boxes and complete as necessary. If additional space is needed, provide attachments)

The licensee, or any individual executing this certificate on behalf of the licensee, certifies that:

1. No radioactive materials have ever been procured or possessed by the licensee under this license.
2. All activities authorized by this license have ceased, and all radioactive materials procured and/or possessed by the licensee under this license number cited above have been disposed of in the following manner:
- a. Transfer of radioactive materials to the licensee listed below:
- b. Disposal of radioactive materials:
1. Directly by the licensee:  
*Readily soluble (or readily disposable) in water material was disposed of in a sanitary sewer. Amounts well below limits set in table 3 of Appendix B to part 20 (based on monthly water volumes to sewer).*
2. By licensed disposal site:
3. By waste contractor:  
*Animal waste and solid waste sent to: Adco Services, Inc.  
17650 Duval Drive  
Tinley Park, IL 60477*
- c. All radioactive materials have been removed such that any remaining residual radioactivity is within the limits of 10 CFR Part 20, Subpart E, and is ALARA.

#### C. SURVEYS PERFORMED AND REPORTED

1. A radiation survey was conducted by the licensee. The survey confirms:
- a. the absence of licensed radioactive materials
- b. that any remaining residual radioactivity is within the limits of 10 CFR 20, Subpart E, and is ALARA.
2. A copy of the radiation survey results:
- a. is attached; or  b. is not attached (Provide explanation); or  c. was forwarded to NRC on: \_\_\_\_\_ Date
3. A radiation survey is not required as only sealed sources were ever possessed under this license, and
- a. The results of the latest leak test are attached; and/or  b. No leaking sources have ever been identified.

The person to be contacted regarding the information provided on this form:

NAME <i>Ted Van Noord</i>	TITLE <i>Radiation Safety Officer</i>	TELEPHONE (Include Area Code) <i>269-488-7019</i>	E-MAIL ADDRESS <i>Ted.VanNoord@eurofinsus.com</i>
Mail all future correspondence regarding this license to: <i>same</i>			

#### C. CERTIFYING OFFICIAL

I CERTIFY UNDER PENALTY OF PERJURY THAT THE FOREGOING IS TRUE AND CORRECT

PRINTED NAME AND TITLE <i>RAYMOND H. FARMER, President</i>	SIGNATURE <i>RHF</i>	DATE <i>3/30/2010</i>
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WARNING: FALSE STATEMENTS IN THIS CERTIFICATE MAY BE SUBJECT TO CIVIL AND/OR CRIMINAL PENALTIES. NRC REGULATIONS REQUIRE THAT SUBMISSIONS TO THE NRC BE COMPLETE AND ACCURATE IN ALL MATERIAL RESPECT. 18 U.S.C. SECTION 1001 MAKES IT A CRIMINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITHIN ITS JURISDICTION.

RECEIVED APR 06 2010

1. We were licensed to possess  $^{125}\text{I}$  at a maximum of 1 millicurie. At no time did we possess  $^{125}\text{I}$ .
2. Room 203 was never used for experiments containing radioactivity because  $^{125}\text{I}$  was never used.
3. Room 201 was never used for experiments containing radioactivity. It was only designated as such in case samples containing radioactivity needed to be analyzed by mass spectrometry.
4. The areas that we used or stored  $^3\text{H}$  and  $^{14}\text{C}$  and that we did surveys on are shown in Attachment 1.
5. The scintillation counter labeled MIS020 in Room 202 was discontinued for use on May 20, 2008. The last survey for those areas is shown in Attachment 2. All areas were less than 1000 DPMs. That equipment was then moved to storage.
6. The freezer in Room 212 was discontinued for storage of radioactive material on February 18, 2009. That survey is attached (Attachment 3), which shows that the areas tested are below 1000 DPM.
7. The walk-in freezer in Room 109 was discontinued for storage of radioactive material on April 21, 2009. Samples were moved to refrigerator/freezer in Room 202. The last survey for those areas is shown in Attachment 4. All areas were less than 1000 DPMs. At that point, radioactivity use and storage was confined to Room 202.
8. Room 110 was only for receipt of samples and surveys were done on the boxes to show that they were below 1000 DPM before moving radioactivity to other designated areas.
9. The remaining areas in Room 202 were surveyed on March 24, 2010 and show that the areas tested are below 1000 DPM. See Attachment 5.
10. All waste and samples disposed of at that time.

Date: June 24, 2008

Effective Date: June 26, 2008

*Attachment 1A*

Title: Radiation Wipe Test Surveys

**Areas to Survey for Radioactivity**Room 109

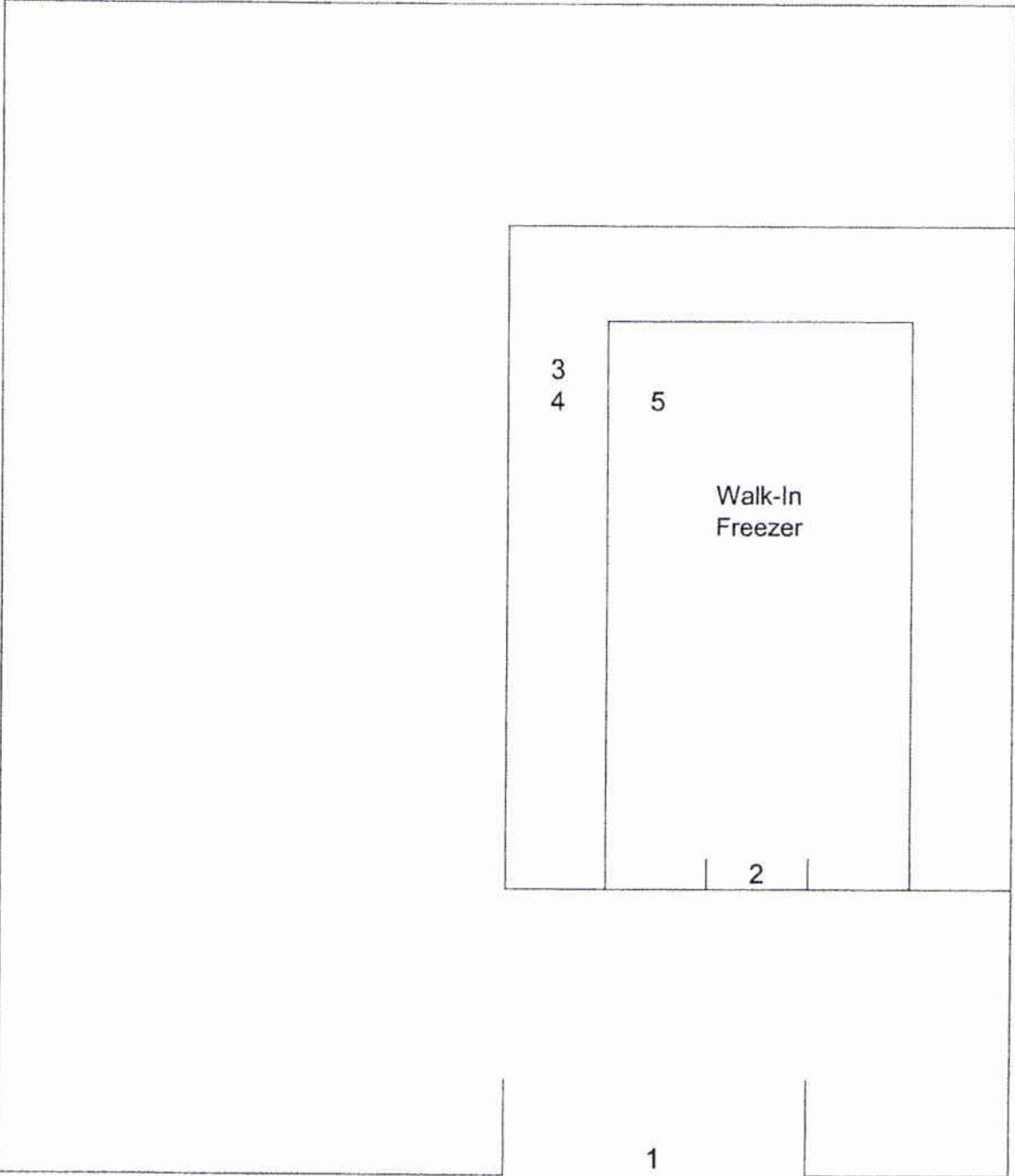
1. Room door handle
2. Freezer door handle
3. Shelves 7 and 8
4. Floor below shelves 7 and 8
5. Floor in front of shelves 7 and 8

Room 212

6. Room door handle
7. Freezer FR09 handle
8. Shelves in freezer FR09
9. Floor by freezer FR09

Room 202

10. Door handles to hall door
11. Handle of scintillation counter MIS020
12. Floor by scintillation counter MIS020
13. Floor by hood
14. Inside hood
15. Floor by sink
16. Counter by sink
17. Sink
18. Table top of oxidizer
19. Floor by oxidizer
20. Refrigerator R902 door handle
21. Refrigerator shelf
22. Floor by refrigerator
23. Handle of scintillation counter MIS017
24. Floor by scintillation counter MIS017
25. Bench top
26. Floor by bench
27. *Outside of waste container (animal)*
28. *Outside of solid waste container*



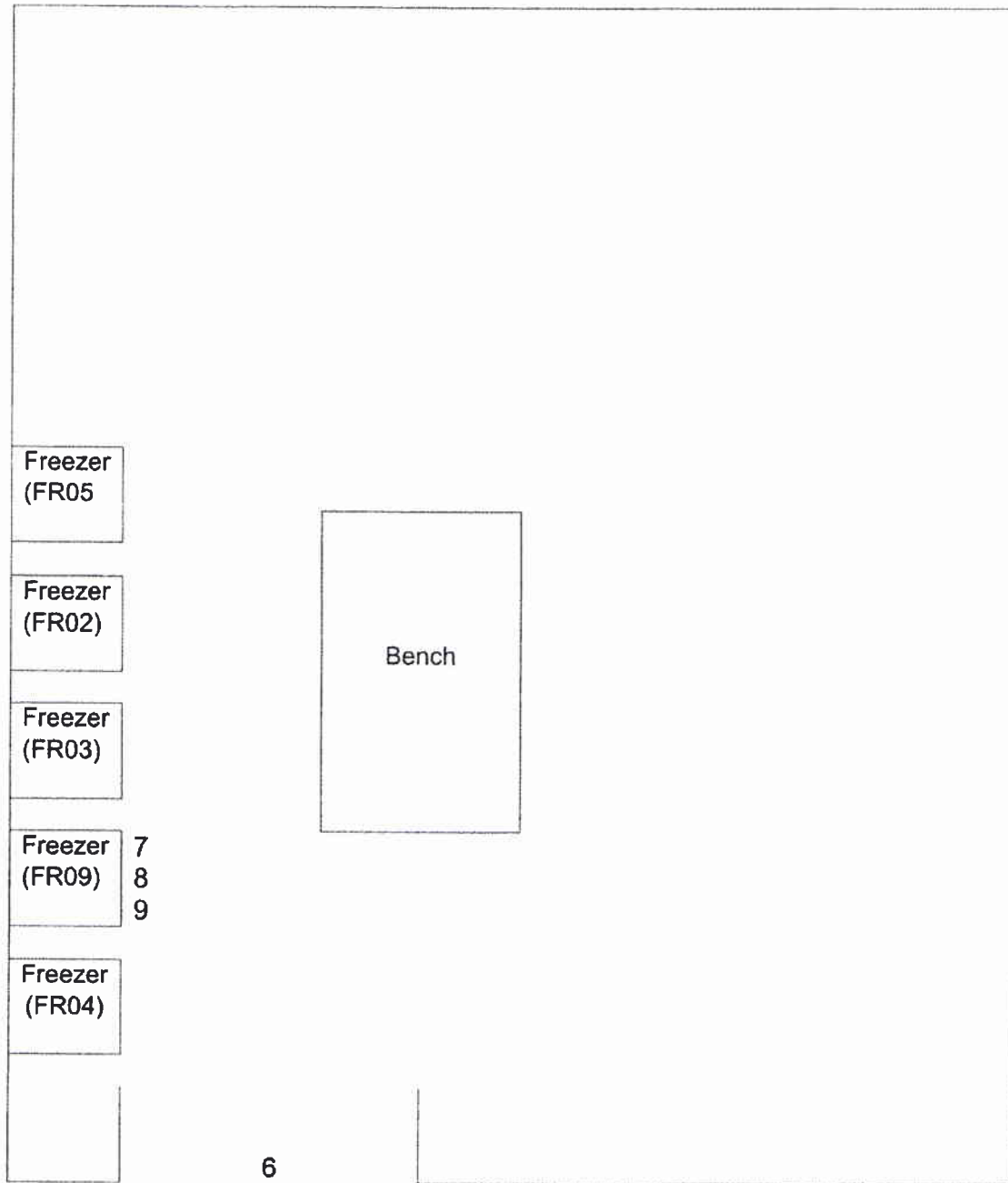
Room 109

Date: June 24, 2008

Effective Date: June 26, 2008

*Attachment 1C*

Title: Radiation Wipe Test Surveys



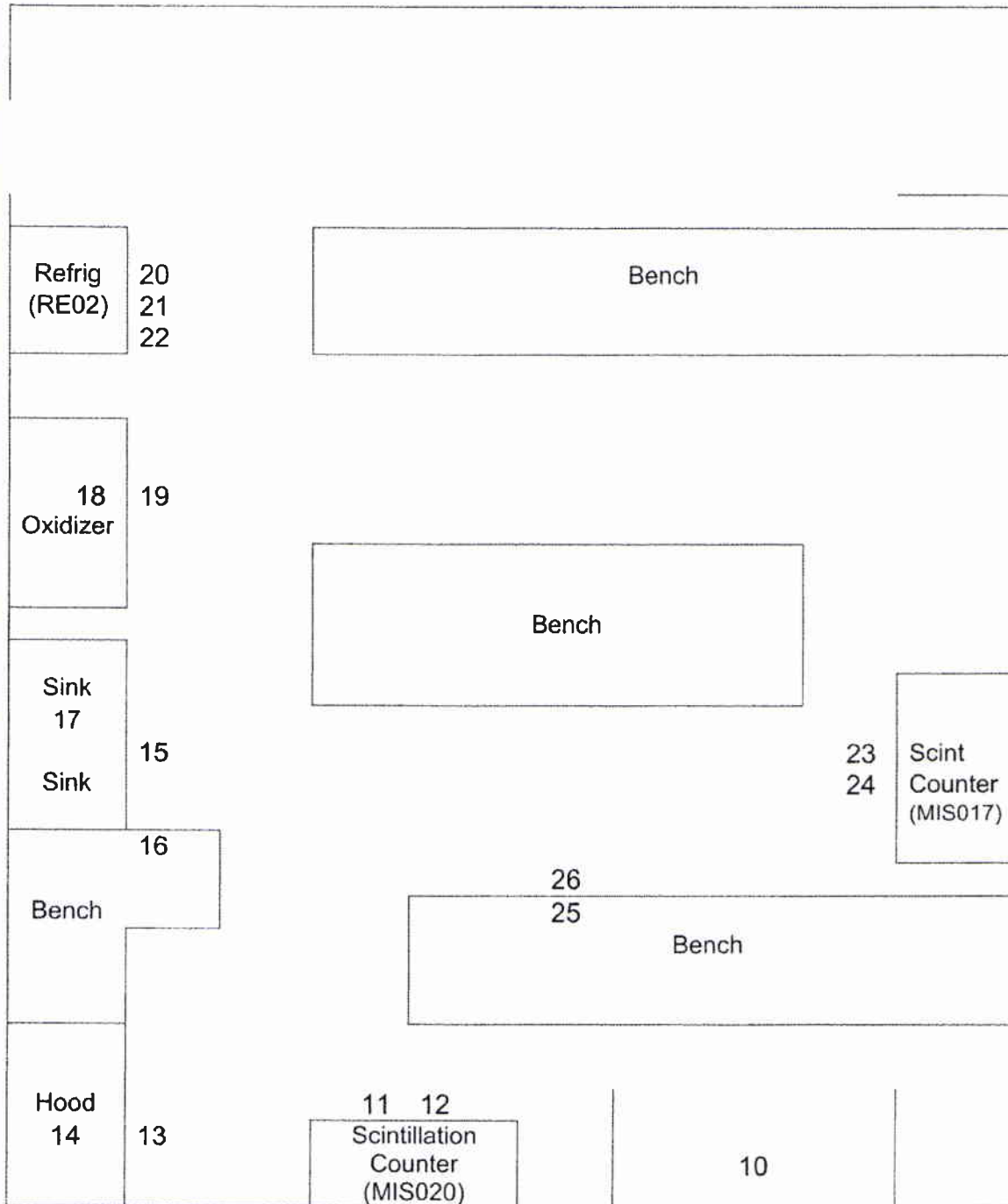
Room 212

Date: June 24, 2008

Effective Date: June 26, 2008

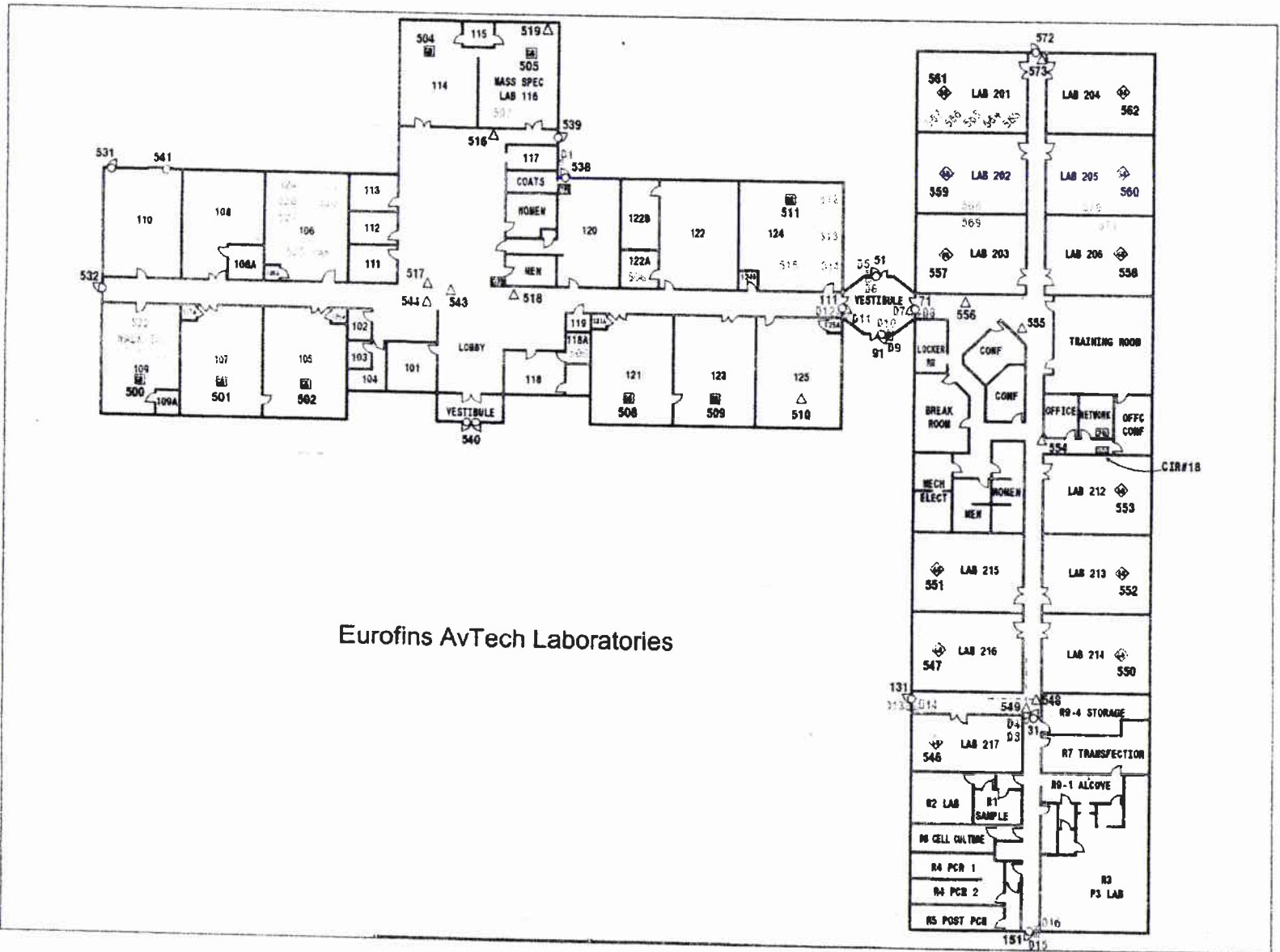
*Attached ID*

Title: Radiation Wipe Test Surveys



Room 202

*Attached 1c*



Eurofins AvTech Laboratories



AHachmend 2

Protocol #:30 Name:DIRECT DPM 20-May-2008 13:51  
 Region A: LL-UL= 0.0-2000 Lcr= 0 Bkg= 0.00 %2 Sigma=0.00  
 Region B: LL-UL= 2.0-2000 Lcr= 0 Bkg= 0.00 %2 Sigma=0.00  
 Region C: LL-UL= 0.0- 0.0 Lcr= 0 Bkg= 0.00 %2 Sigma=0.00  
 Time = 1.00 QIP = tSIE/AEC ES Terminator = Count  
 Direct DPM  
 SNC DPM = 113600

PID	S#	TIME	DPM1	tSIE	FLAG
15	1	1.00	23.47	417	- room door handle
15	2	1.00	22.19	419	- Freezer door handle
15	3	1.00	35.59	423	- Shelves 7 & 8
15	4	1.00	32.39	417	- Floor below shelves 7 & 8
15	5	1.00	27.31	421	- Floor in front of shelves 7 & 8
15	6	1.00	33.98	417	- room door handle
15	7	1.00	35.75	401	- Freezer (FR29) handle
15	8	1.00	46.80	400	- Shelves in FR29
15	9	1.00	26.70	410	- Floor by FR29
15	10	1.00	43.62	411	- Door handles to hall door
15	11	1.00	34.64	398	- Handle of scintillation counter MIS020
15	12	1.00	38.61	402	- Floor by MIS020
16	13	1.00	34.07	411	- Floor by hood
16	14	1.00	52.67	405	- Inside hood
16	15	1.00	29.79	401	- Floor by sink
16	16	1.00	38.57	409	- Counter by sink
16	17	1.00	39.28	395	- Sink
16	18	1.00	36.77	405	- Table top of oxidizer
16	19	1.00	33.87	409	- Floor by oxidizer
16	20	1.00	40.74	417	- Refrigerator R9-02 door handle
16	21	1.00	31.60	411	- R9-02 shelf
16	22	1.00	41.75	420	- Floor by R9-02
16	23	1.00	31.84	410	- Handle of scintillation counter MIS017
16	24	1.00	37.47	402	- Floor by MIS017
17	25	1.00	36.37	414	- BENCH TOP
17	26	1.00	48.40	401	- Floor by bench
(9 missing vials)					
17	36	1.00	25.21	428	- COCKTAIL BLANK

COPY

Areas 11 & 12

- Ultima Gold XR cocktail  
 Lot # 79080301  
 Exp = 1-OCT-2009

TJU 5-22-08

20-MAY-2008  
 2100TR (MIS 020)  
 S/N 415997  
 cal ex = 6/26/08

Michael D Koets 5-20-08



L #130

Name: DIRECT DPM

18-Feb-2009 10:54

Position A: LL-UL= 0.0-2000 Lcr= 0 Bkg= 0.00 %2 Sigma=0.00

Position B: LL-UL= 2.0-2000 Lcr= 0 Bkg= 0.00 %2 Sigma=0.00

Position C: LL-UL= 0.0- 0.0 Lcr= 0 Bkg= 0.00 %2 Sigma=0.00

Time = 2.00 QIP = tSIE/AEC ES Terminator = Count

Direct DPM

SNCR DPM = 130800

COPY

PID	S#	TIME	DPM1	ESIE	FLAG
20	1	2.00	84.63	360.	- ROOM DOOR HANDLE
20	2	2.00	99.14	355.	- FREEZER DOOR HANDLE
20	3	2.00	77.47	355.	- SHELVES 7 and 8
20	4	2.00	74.08	381.	- FLOOR BELOW SHELVES 7 and 8
20	5	2.00	76.45	366.	- FLOOR IN FRONT OF SHELVES 7 and 8
20	6	2.00	92.71	372.	- ROOM DOOR HANDLE
20	7	2.00	90.47	359.	- FREEZER FR-09 HANDLE
20	8	2.00	78.93	366.	- SHELVES IN FREEZER FR-09
20	9	2.00	90.92	360.	- FLOOR BY FREEZER FR-09
20	10	2.00	95.03	364.	- DOOR HANDLES TO HALL DOOR
20	11	2.00	97.17	370.	- BKG - BLANK
20	12	2.00	100.03	358.	- BKG - BLANK
2	13	2.00	90.28	354.	- FLOOR BY HOOD
2	14	2.00	79.70	353.	- INSIDE HOOD
2	15	2.00	102.53	350.	- FLOOR BY SINK
2	16	2.00	98.87	369.	- COUNTER BY SINK
2	17	2.00	84.43	365.	- SINK
2	18	2.00	100.82	363.	- TABLE TOP OF OXIDIZER
2	19	2.00	87.63	364.	- FLOOR BY OXIDIZER
2	20	2.00	103.56	363.	- DOOR HANDLE REFRIGERATOR (RE-10)
2	21	2.00	74.11	366.	- REFRIGERATOR SHELF
2	22	2.00	95.01	368.	- FLOOR BY REFRIGERATOR
2	23	2.00	102.69	353.	- HANDLE OF SCINTILLATION COUNTER (MIS-017)
2	24	2.00	92.01	361.	- FLOOR BY SCINTILLATION COUNTER (MIS-017)
5	25	2.00	85.73	357.	- BENCH TOP
5	26	2.00	139.77	362.	- FLOOR BY BENCH
(1 missing vial)					
5	28	2.00	107.48	364.	- BLANK COCKTAIL

\* MIS-020 HAS BEEN INACTIVATED AND IS NOW STORED IN LAB-212. SAMPLES #11 AND 12 ARE BLANK COCKTAIL and SERVE AS PLACE HOLDERS TO RETAIN NUMERIC SEQUENCES  
18-Feb-09 MK

18-Feb-2008

2300 TR

S/N 100534

cal ex = 6/10/2009

Ultima Gold XR cocktail

Lot # 79-080301

Exp = 1-Oct-2009

Packed 074-09

Michael D. Kelly 2-18-2009

Protocol #: 30      Name: DIRECT DPM      21-Apr-2009 09:38  
 Region A: LL-UL= 0.0-2000 Lcr= 0 Bkg= 0.00 %2 Sigma=0.00  
 Region B: LL-UL= 2.0-2000 Lcr= 0 Bkg= 0.00 %2 Sigma=0.00  
 Region C: LL-UL= 0.0- 0.0 Lcr= 0 Bkg= 0.00 %2 Sigma=0.00  
 Time = 2.00      QIP = tSIE/AEC      ES Terminator = Count  
 Direct DPM  
 SNC DPM = 130800

COPY

PID	S#	TIME	DPM	tSIE	FLAG
2	1	2.00	95.51	386.	- BKG vial
(1 missing vial)					
2	3	2.00	83.66	378.	- Lab 109 entry door
2	4	2.00	88.25	373.	- Ramp into walk-in freezer (FR-06)
2	5	2.00	73.44	378.	- Door into FR-06
2	6	2.00	104.99	365.	- Shelf wipe
2	7	2.00	95.15	379.	- Floor wipe

All radioactivity was removed (all radioactive samples are now stored in RE-10's freezer - Lab 202) from FR06.  
 All wipe test sample results are at or below background levels. (Criteria = dpm's  $\leq$  1000 dpm's)

*Michael D. Kelly*  
 4-21-09

## Radiation Wipe Test Survey

Attachment 5A

Final Survey: 3-24-18

SOP: 8166.04

COPY

Area Surveyed (All in Room 202)

BKG - Background

10. Door handles to hall door
13. Floor by hood
14. Inside hood
15. Floor by sink
16. Counter by sink
17. Sink
18. Table Top of Oxidizer
19. Floor by oxidizer
20. Refrigerator door handle
21. Refrigerator shelf
22. Floor by refrigerator
23. handle of scintillation counter (MISO17)
24. Floor by scintillation counter (MISO17)
25. Bench top
26. Floor by bench
27. Outside of waste container (ax,mc)
28. Outside of solid waste container

Counter (MISO17)

Model 23007R

SN: 180534

cal exp: 7-31-2010

1. Swabbed at least 100 cm<sup>2</sup> with cotton tipped applicator at each location
2. Added 15 mL cocktail to each vial (Ultima Gold XR cocktail, lot 79-080301)  
exp 3-2011)
3. Included blank cocktail in one vial for background
4. Counted with scintillation counter
5. All areas  $\leq 1000$  DPM

Ted J. N. M. 3-24-18

Protocol #:30 Name:DIRECT DPM 24-Mar-2010 16:17  
 Region A: LL-UL= 0.0-2000 Lcr= 0 Bkg= 0.00 %2 Sigma=0.00  
 Region B: LL-UL= 2.0-2000 Lcr= 0 Bkg= 0.00 %2 Sigma=0.00  
 Region C: LL-UL= 0.0- 0.0 Lcr= 0 Bkg= 0.00 %2 Sigma=0.00  
 Time = 2.00 QIP = tSIE/AEC ES Terminator = Count  
 Direct DPM  
 SNC DPM = 130800

COPY

PID	S#	TIME	DPM1	tSIE	FLAG	
12	1	2.00	80.33	375.	BKG	Background
12	2	2.00	97.97	357.	10	Door handle to hall door
12	3	2.00	97.97	345.	13	Floor by hood
12	4	2.00	96.60	361.	14	Inside hood
12	5	2.00	163.24	352.	15	Floor by sink
12	6	2.00	111.91	360.	16	Counter by sink
12	7	2.00	175.78	332.	17	Sink
12	8	2.00	113.08	340.	18	Table top of oxidizer
12	9	2.00	96.14	346.	19	Floor by oxidizer
12	10	2.00	131.71	357.	20	Refrigerator door handle
12	11	2.00	91.07	359.	21	Refrigerator shelf
12	12	2.00	95.87	352.	22	Floor by refrigerator
12	13	2.00	136.50	348.	23	handle of scintillation counter (MISO17)
12	14	2.00	108.15	362.	24	Floor by scintillation counter (MISO17)
12	15	2.00	83.29	344.	25	Bench top
12	16	2.00	102.03	350.	26	Floor by bench
12	17	2.00	69.12	348.	27	Outside of waste container (animal)
12	18	2.00	162.29	354.	28	Outside of solid waste container

Ted J. N. M.

3-30-10



  
AvTech Laboratories Inc.



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Mailed From 49002

03/31/2010

031A 0002181578

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