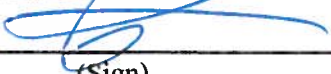


# Radiological Survey Sheet

Job Location Pfizer GROTON CT Page 1 of 20

Survey Purpose LAB DECON 118 226 Date 9/14/05

Performed by P. Keefe (Print)  (Sign)

<b>Instrument (Model/S/N)</b>	Packard Tri-Carb S/N 431521	Packard Tri-Carb S/N 431520	Ludlum 2241-2 163603	
<b>Det. (Model/SN)</b>	Internal	Internal	Ludlum 43-68 PR 149613	
<b>Type Rad.</b>	β	β	β	
<b>Cal. Due:</b>	10/12/05	10/12/05	04/14/06	
<b>Check Instruments Used</b>		X	X	

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm <sup>2</sup> )	
1.	1300	BACKGROUND		
2.		LAB ENTRANCE DOOR	- OUTSIDE	
3.			- INSIDE	
4.		Sm wall	- UPPER	
5.			- LOWER	
6.		Sm wall	- UPPER	
7.			- LOWER	
8.		OVERHEAD CABINET	- OUTSIDE - LEFT	
9.			- RIGHT	
10.			- BOTTOM	
11.			- DOORS	
12.			- INSIDE - DOORS	
13.			- LEFT	
14.			- REAR	
15.			- RIGHT	
16.			- BOTTOM	
17.		↓	Sm wall under CABINET	- UPPER
18.		1330		- LOWER

*CK*

# Radiological Survey Continuation Sheet

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Date 09/14/05

CAB Decon 118 226

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm <sup>2</sup> )
19	1330	Wall - Right side of Cabinet	- Upper
20			- Lower
21		Metal File Slots	1-5
22			6-10
23			11-15
24			16-20
25			21-25
26			26-31
27		File support Shelf	
28		SUPPORTS	
29		BENCHTOP SWIPES	- LEFT
30			- RIGHT
31		DRAWS	- LEFT - OUTSIDE / INSIDE
32			- RIGHT - OUTSIDE / INSIDE
33		BENCHTOP LEGS	- LEFT
34			- RIGHT
35		WINDOW SWIPES	- LEFT
36			- RIGHT
37		HEATER VENTS	- LEFT
38			- RIGHT
39		BENCHTOP SWIPE	
40		DRAWS	- TOP - OUTSIDE / INSIDE
41			- MIDDLE - OUTSIDE / INSIDE
42			- Bottom - OUTSIDE / INSIDE
43		OUTSIDE DRAW UNIT	- LEFT
44	▼		- RIGHT
45	1350		- FRONT

# Radiological Survey Continuation Sheet

Page 3 of 20

Date 9/14/05

LAB DECON 118 226

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm <sup>2</sup> )
46	1350	BENCHTOP SWIPE	
47		DRAWS - LEFT - OUTSIDE   INSIDE	
48		- RIGHT - OUTSIDE   INSIDE	
49		BENCHTOP LEGS - FRONT	
50		- REAR	
51		BENCHTOP shelf	
52		OVERHEAD CABINET - OUTSIDE - LEFT	
53		- Bottom	
54		- INSIDE - LEFT	
55		- RIGHT	
56		- REAR	
57		- Shelves	
58		- Bottom	
59		BENCHTOP SWIPE	
60		DRAWS - LEFT - OUTSIDE   INSIDE	
61		- RIGHT - TOP - OUT   IN	
62		- MID - OUT   IN	
63		- Bottom - OUT   IN	
64		sm Wall - upper	
65		- Lower	
66		OFFICE - DOOR - OUT   IN	
67		shelves - upper	
68		- Lower	
69		SUPPORTS	
70		Wall under shelves - LEFT	
71		- RIGHT	
72	1415	- Lower	

# Radiological Survey Continuation Sheet

Page 4 of 20

Date 9/14/05

(HAB DECON) 11B 226

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm <sup>2</sup> )
73	1415	BENCHTOP SWIPE	
74		DRAWNS - LEFT - TOP	- OUT   IN
75		- MID	- OUT   IN
76		- Bot	- OUT   IN
77		BENCHTOP SWIPE	
78		DRAWNS - LEFT	- OUT   IN
79		- RIGHT	- OUT   IN
80		ALCOVE UNDER BENCHTOP	- LEFT
81			- REAR
82			- RIGHT
83			- FLOOR
84		BENCHTOP SWIPE	
85		DRAWNS - TOP	- OUT   IN
86		- MID	- OUT   IN
87		- Bottom	- OUT   IN
88		shelves upper	
89		lower	
90		SUPPORTS	
91		BENCHTOP	- LEFT
92		- MID	
93		- RIGHT	
94		ALCOVE UNDER BENCHTOP	- LEFT
95			- REAR
96			- RIGHT
97			- FLOOR
98	▼	Sm Wall	- upper
99	1440		- lower



# Radiological Survey Continuation Sheet

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Date 9/14/05

LAB Decou 118 226

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm <sup>2</sup> )
100	1440	Wall - LEFT - upper	
101		- lower	
102		- RIGHT - upper	
103		- lower	
104		Overhead CABINET - outside - Bottom	
105		- Doors	
106		- INSIDE - LEFT	
107		- REAR	
108		- RIGHT	
109		- shelves	
110		- Bottom	
111		Wall under CABINET	
112		BENCHTOP SWIDE	
113		DRAWS - LEFT - OUTSIDE / INSIDE	
114		- RIGHT - OUTSIDE / INSIDE	
115		CABINET - DOORS - OUT / INSIDE	
116		INSIDE - LEFT CABINET - LEFT	
117		- REAR	
118		- RIGHT	
119		- Bottom	
120		- RIGHT CABINET - LEFT	
121		- REAR	
122		- RIGHT	
123		- Bottom	
124	HOOD - OUTSIDE - TOP		
125	- GLASS SASH		
126	- METAL SPLASH GUARD		
	1500		

# Radiological Survey Continuation Sheet

Page 6 of 20

Date 9/14/05

LAB DECON 118 226

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm <sup>2</sup> )
127	1500	HOOD - OUTSIDE - LEFT	
128		- RIGHT	
129		- INSIDE - LEFT - UPPER	
130		- LOWER	
131		- REAR - TOP	
132		- MID	
133		- BOTTOM	
134		- RIGHT - UPPER	
135		- LOWER	
136		- WORK AREA - LEFT	
137		- RIGHT	
138		CABINET UNDER HOOD - OUTSIDE - DOORS	
139		- INSIDE - LEFT	
140		- REAR	
141		- RIGHT	
142		- BOTTOM	
143		- TRAY	
144		GLASS RACK	
145		PAPER TOWEL DISPENSER	
146		FAUCET	
147		EYE WASH	
148		BASIN - LEFT	
149		- RIGHT	
150		- REAR	
151		- FRONT	
152		- BOTTOM / DRAIN	
153	1520	CABINET UNDER SINK - DOORS - OUT/IN	

# Radiological Survey Continuation Sheet

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Date 9/14/05  
②

LAB DeCON 118 226

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm <sup>2</sup> )
154	0800	CABINET UNDER SINK	- INSIDE - LEFT
155			- RIGHT
156			- REAR
157			- BOTTOM
158			- TRAY
159		Wall SWIDE	- LEFT
160			- RIGHT
161		L6 HOOD	- TOP - LEFT
162			- RIGHT
163			- CONTROLS - LEFT
164			- RIGHT
165			- GLASS SASH - OUT - LEFT
166			- RIGHT
167			- SPLASH GUARD - LEFT
168			- RIGHT
169			- OUTSIDE - RIGHT - TOP
170			- MID
171			- BOTTOM
172			- INSIDE - LEFT WALL - TOP
173			- MID
174			- BOTTOM
175			- REAR (left) - TOP
176			- MID
177			- Bottom
178			- REAR (RIGHT) - TOP
179			- MID
180	0830		- Bottom

# Radiological Survey Continuation Sheet

Page 8 of 20

Date 9/14/05

LAB DECON 118 226

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm <sup>2</sup> )
181	1300	LG HOOD	- INSIDE - Right Wall - TOP
182			- MID
183			- BOT
184			- WORK AREA - LEFT - REAR
185			- FRONT
186			- CENTER - REAR (Sheet 322)
187			- FRONT
188			- RIGHT - REAR
189			FRONT
190		CABINET UNDER HOOD	- LEFT - DOORS - OUT
191			- INSIDE
192			- INSIDE - LEFT
193			- REAR
194			- RIGHT
195			TRAY
196			- BOTTOM
197			- CENTER - DOORS - OUT
198			- IN
199			- INSIDE - LEFT
200			- REAR
201			- RIGHT
202			- TRAY
203			- BOTTOM
204			- RIGHT - DOORS - OUT
205			- IN
206			- INSIDE - LEFT
207	1320		- REAR



# Radiological Survey Continuation Sheet

Page 9 of 20

Date 9/15/05

LAB DECON 118 226

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm <sup>2</sup> )
208	1300	CABINET UNDER HOOD - RIGHT - INSIDE - RIGHT	
209			- TRAY
210			- Bottom
211		Sm Wall SWIPES - UPPER	
212			- LOWER
213		Sm Wall SWIPES - UPPER	
214			- LOWER
215		BENCHTOP shelf - LEFT	
216			- RIGHT
217		SUPPORTS	
218		BENCHTOP SWIPE	
219		DRAWS - LEFT - TOP - OUT/IN	
220			- UPPER MID - OUT/IN
221			- LOWER MID - OUT/IN
222			- Bottom
223			- RIGHT - UPPER - OUT/IN
224			- LOWER - OUT/IN
225		CABINET - DOOR - OUT/IN	
226			- INSIDE - LEFT
227			- REAR
228			- RIGHT
229			- Shelf
230			- Bottom
231		OUTSIDE DRAW / CABINET UNIT - UPPER	
232			- LOWER
233	▼	BENCHTOP SWIPE	
234	1320	DRAWS - LEFT - OUT/IN	

# Radiological Survey Continuation Sheet

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Date 9/15/05

LAB DECON 118 226

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm <sup>2</sup> )
235	1320	DRAWS - RIGHT - OUT/IN	
236		CABINET UNDER DRAWS - DOORS - OUT	
237			- INSIDE
238			- INSIDE - LEFT
239			- REAR
240			- RIGHT
241			- Bottom
242		BENCHTOP SWIPE	
243		DRAWS - LEFT - TOP - OUT/IN	
244			- upper mid - OUT/IN
245			- LOWER MID - OUT/IN
246			- Bottom - OUT/IN
247			- RIGHT - UPPER - OUT/IN
248			- LOWER - OUT/IN ✓ (See #323)
249		CABINET - DOOR - OUT/IN	
250			- INSIDE - LEFT
251			- REAR
252			- RIGHT
253			- Bottom
254			- OUTSIDE Right
255		BENCHTOP SWIPE	
256		DRAWS - TOP - OUT/IN	
257			- upper mid - OUT/IN
258			- LOWER MID - OUT/IN
259			- Bottom - OUT/IN
260	▼	BENCHTOP SWIPE	
261	1345	CABINET - DOOR - OUT/IN	

# Radiological Survey Continuation Sheet

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Date 9/19/05

CAB DECON 118 226

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm <sup>2</sup> )
262	0800	CABINET - INSIDE - LEFT	
263		- REAR	
264		- RIGHT	
265		- shelf	
266		- Bottom	
267		BENCHTOP SWIPE	
268		DRAW - LEFT - TOP	- OUT/IN
269		- UPPER MID	- OUT/IN
270		- LOWER MID	- OUT/IN
271		- Bottom	- OUT/IN
272		- RIGHT - UPPER	- OUT/IN
273		- LOWER	- OUT/IN
274		CABINET - DOOR	- OUT/IN
275		- INSIDE - LEFT	
276		- REAR	
277		- RIGHT	
278		- shelf	
279		- Bottom	
280		- OUTSIDE - RIGHT	
281		REAR OF DRAW / CABINET UNIT	- LEFT
282			- CENTER
283			- RIGHT
284		BENCHTOP SWIPE	
285		DRAW - OUT/IN	
286		CABINET - DOORS	- OUT
287			- IN
288	0830	- INSIDE - LEFT	

# Radiological Survey Continuation Sheet

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Date 9/19/05

LAB DELON 118 226

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm <sup>2</sup> )
289	1100	CABINET - INSIDE - REAR	
290		- RIGHT	
291		- Shelf	
292		- Bottom	
293		BENCHTOP SWIPE	
294		DRAWS - LEFT - TOP - OUT/IN	
295		- UPPER MID - OUT/IN	
296		- LOWER MID - OUT/IN	
297		- Bottom - OUT/IN	
298		- RIGHT - UPPER - OUT/IN	
299		- <del>at</del> LOWER - OUT/IN	
300		CABINET - DOOR	
301		- INSIDE - LEFT	
302		- REAR	
303		- RIGHT	
304		- Bottom	
305		OUTSIDE DRAW / CABINET UNIT - RIGHT	
306		FLOOR SWIPES	
↓	↓		
321	1140	FLOOR SWIPES	
9/20/05 322	0900	POST DECONT # 186	
323	↓	POST DECONT # 248	



○ = wiper location



All surveyed sources were surveyed with location 2241-2  
and found to be within limits. *[Signature]*

Protocol# 9 - Room Decon.lsa

User: Peter Keefe

Lab Decon 118 226

Assay Definition-

Assay Description:  
Rad Room Monthly Swipes

Assay Type: CPM  
Report Name: Report1  
Output Data Path: C:\Packard\Tricarb\Results\Peter Keefe\Room Decon  
Raw Results Path: C:\Packard\Tricarb\Results\Peter Keefe\Room Decon\20050919\_1126.results  
Assay File Name: C:\Packard\TriCarb\Assays\Room Decon.lsa

Count Conditions-

Nuclide: TRIPLE  
Quench Indicator: tSIE/AEC  
External Std Terminator (sec): 0.5 2s%  
Pre-Count Delay (min): 0.00  
Quench Set: n/a  
Count Time (min): 1.00  
Count Mode: Normal  
Assay Count Cycles: 1 Repeat Sample Count: 1  
#Vials/Sample: 1 Calculate % Reference: Off

Background Subtract: Off  
Low CPM Threshold: Off  
2 Sigma % Terminator: Off

Regions	LL	UL
A	0.0	18.6
B	18.6	156.0
C	0.0	2000.0

Count Corrections-

Static Controller: On Luminescence Correction: On  
Colored Samples: n/a Heterogeneity Monitor: n/a  
Coincidence Time (nsec): 18 Delay Before Burst (nsec): 75

Half Life-

Half Life Correction: Off

Regions	Half Life	Units	Reference Date	Reference Time
A				
B				
C				

Cycle 1 Results

S#	CPMA	CPMB	CPMC	MESSAGES
1	22	4	34	
2	16	10	33	
3	6	5	20	
4	10	5	20	
5	0	6	11	
6	14	3	23	
7	7	7	16	
8	6	8	21	
9	19	10	32	
10	18	7	33	
11	25	12	39	
12	14	9	27	
13	17	5	25	

Protocol# 9 - Room Decon.lsa

User: Peter Keefe

Lab Decon 118 226

14	16	8	27
15	12	4	22
16	9	8	22
17	24	9	35
18	17	4	23
19	9	4	22
20	17	9	34
21	8	6	18
22	2	4	9
23	20	6	32
24	11	2	15
25	24	9	37
26	12	9	27
27	8	7	19
28	9	7	23
29	18	9	34
30	11	9	25
31	8	3	17
32	8	10	22
33	19	7	32
34	11	8	23
35	4	8	16
36	11	9	26
37	9	3	17
38	19	4	31
39	7	7	22
40	8	5	21
41	22	5	32
42	10	4	22
43	14	6	26
44	9	11	27
45	31	5	37
46	23	6	38
47	23	10	40
48	18	4	27
49	12	6	26
50	22	5	28
51	15	7	28
52	12	6	20
53	16	1	20
54	9	9	23
55	6	14	26
56	17	10	31
57	7	5	18
58	22	8	38
59	9	5	20
60	17	11	36
61	16	6	27
62	10	5	23
63	20	7	31
64	11	6	25
65	8	8	23
66	14	8	29
67	8	4	15
68	15	8	26
69	24	7	36
70	15	8	36
71	19	6	32
72	10	7	22
73	19	4	34
74	12	4	26
75	15	6	29
76	15	11	32

Protocol# 9 - Room Decon.lsa

User: Peter Keefe

Lab Decon 118 226

77	3	8	17
78	9	7	27
79	8	2	15
80	6	8	26
81	7	7	17
82	4	6	13
83	13	5	22
84	10	6	24
85	5	5	14
86	10	5	19
87	17	11	30
88	0	10	7
89	19	6	29
90	6	8	24
91	25	5	38
92	15	6	31
93	4	6	18
94	9	7	22
95	19	9	31
96	15	9	32
97	16	3	25
98	12	8	25
99	12	7	22
100	16	5	30
101	7	4	18
102	19	13	36
103	20	5	30
104	11	8	23
105	13	5	28
106	20	7	31
107	18	9	35
108	13	11	30
109	17	8	28
110	25	9	37
111	11	7	22
112	8	8	21
113	15	11	27
114	7	5	17
115	25	9	41
116	6	11	26
117	6	10	26
118	12	4	24
119	13	4	21
120	16	6	27
121	4	10	17
122	11	3	20
123	16	3	26
124	32	9	46
125	11	9	30
126	20	6	32
127	14	8	31
128	23	8	38
129	30	14	49
130	5	9	22
131	20	12	42
132	20	12	37
133	15	5	27
134	8	13	25
135	29	26	59
136	9	5	22
137	9	3	23
138	16	8	29
139	21	2	26



Protocol# 9 - Room Decon.lsa

Lab Decon 118 226

User: Peter Keefe

140	3	8	17
141	7	5	18
142	15	2	21
143	5	9	17
144	15	4	29
145	9	5	17
146	13	9	32
147	25	10	36
148	10	5	19
149	17	7	30
150	7	3	15
151	5	4	16
152	0	8	11
153	3	6	16
154	21	6	33
155	18	7	36
156	16	7	28
157	10	7	20
158	19	10	35
159	14	8	26
160	16	2	22
161	7	10	22
162	22	8	34
163	11	5	23
164	22	5	34
165	21	9	43
166	2	6	16
167	21	7	35
168	4	6	19
169	27	10	43
170	10	9	23
171	12	6	24
172	17	16	40
173	14	18	40
174	20	8	35
175	20	18	42
176	19	15	41
177	14	12	30
178	19	13	34
179	8	11	24
180	10	9	26
181	13	8	25
182	23	11	41
183	17	7	32
184	13	16	31
185	6	8	17
186	45	27	78
187	14	9	28
188	14	10	34
189	10	12	33
190	9	1	16
191	13	8	27
192	24	7	39
193	25	11	42
194	15	6	32
195	11	5	21
196	14	5	21
197	14	9	29
198	7	7	22
199	15	9	30
200	20	6	32
201	23	12	40
202	14	8	27

Protocol# 9 - Room Decon.lsa

User: Peter Keefe

Lab Decon 118 226

203	6	19	31
204	18	19	44
205	21	9	35
206	20	7	29
207	0	5	9
208	3	6	15
209	17	8	31
210	4	1	12
211	30	10	45
212	6	11	23
213	4	2	13
214	3	5	17
215	10	7	22
216	17	10	33
217	19	8	33
218	21	10	37
219	8	5	14
220	0	5	8
221	6	6	17
222	18	4	28
223	7	6	22
224	7	6	16
225	4	6	14
226	19	6	34
227	0	9	11
228	25	4	36
229	14	3	21
230	14	10	28
231	7	12	24
232	11	8	26
233	17	8	34
234	11	7	22
235	15	8	27
236	6	4	13
237	34	9	51
238	6	5	15
239	11	4	25
240	17	11	41
241	18	6	28
242	10	6	25
243	11	3	16
244	11	5	24
245	17	6	31
246	16	5	25
247	23	6	34
248	39	120	162
249	9	8	23
250	11	7	21
251	11	7	26
252	17	9	30
253	9	6	23
254	12	8	25
255	17	7	31
256	6	9	19
257	16	4	23
258	31	5	36
259	14	6	27
260	21	6	33
261	19	11	41
262	9	7	16
263	1	9	18
264	15	6	25
265	15	5	27

Protocol# 9 - Room Decon.lsa

User: Peter Keefe

Lab Decon 118 226

266	18	6	30
267	13	5	22
268	14	4	26
269	22	5	30
270	7	5	18
271	7	9	21
272	8	10	19
273	30	7	45
274	1	3	11
275	21	7	31
276	15	4	21
277	15	9	34
278	8	10	27
279	9	8	18
280	15	6	24
281	16	8	33
282	11	9	27
283	11	8	26
284	7	3	18
285	9	6	18
286	17	9	27
287	13	7	33
288	14	11	32
289	19	5	29
290	13	8	28
291	18	9	36
292	23	9	42
293	20	5	30
294	6	6	16
295	18	6	31
296	16	6	32
297	24	13	43
298	0	7	6
299	13	10	29
300	5	9	15
301	19	4	33
302	1	5	8
303	27	7	38
304	13	6	26
305	15	6	28
306	22	2	28
307	20	7	31
308	9	8	24
309	9	9	27
310	13	7	23
311	6	4	13
312	14	5	24
313	16	9	30
314	17	12	33
315	7	5	16
316	11	7	20
317	0	8	16
318	6	5	20
319	6	5	17
320	12	5	19
321	22	5	31

Protocol# 10 - Room Decon.lsa

User: Pete Keefe

ReSwipes Lab Decon 118 226

Assay Definition-

Assay Description:

Assay Type: CPM

Report Name: Report1

Output Data Path: C:\Packard\Tricarb\Results\Pete Keefe\Room Decon

Raw Results Path: C:\Packard\Tricarb\Results\Pete Keefe\Room Decon\20050920\_0905.results

Assay File Name: C:\Packard\TriCarb\Assays\Room Decon.lsa

Count Conditions-

Nuclide: Triple

Quench Indicator: tSIE/AEC

External Std Terminator (sec): 0.5 2s

Pre-Count Delay (min): 0.00

Quench Set: n/a

Count Time (min): 1.00

Count Mode: Normal

Assay Count Cycles: 1

Repeat Sample Count: 1

#Vials/Sample: 1

Calculate % Reference: Off

Background Subtract: Off

Low CPM Threshold: Off

2 Sigma % Terminator: Off

Regions	LL	UL
A	0.0	18.6
B	18.6	156.0
C	0.0	2000.0

Count Corrections-

Static Controller: On

Luminescence Correction: On

Colored Samples: n/a

Heterogeneity Monitor: n/a

Coincidence Time (nsec): 18

Delay Before Burst (nsec): 75

Half Life-

Half Life Correction: Off

Regions	Half Life	Units	Reference Date	Reference Time
A				
B				
C				

Cycle 1 Results

S#	CPMA	CPMB	CPMC	MESSAGES
1	23	23	53	Background
2	4	5	14	Reswipe # 186
3	6	9	19	# 248