

**RSA Laboratories
Radiochemistry Analysis Data Sheet**

Customer: June Tamkin
Sample Type: Wipes
Matrix: Wipes

Isotope 1 H-3
Isotope 2 C-14
Isotope 3 HE Beta
RSA ID#:
Location

Collect Date: 15 min count X 10
Count Date: 2/27/2013
Project: Decommissioning
Location: Institute for Pharmaceutical Discovery

Cust ID # :
of Pages:

Report No.	Location	POS	ID #	Cust ID #	Background	CPMA	DPMA		H-3	C-14
1			1 BG							
2			2 33429-5	5-R1		7.52	19.76		BG	
3			3 33429-5	5-R2		9.43	35.32			357
4			4 33429-5	5-R3		9.32	30.73			358
			5 33429-5	5-R4		8.19	24.81			359
			6 33429-5	5-R5		7.74	20.80			360
			7 33429-5	5-R6		8.76	30.37			361
			8 33429-5	5-R7		9.77	33.54			362
			9 33429-5	5-R8		8.98	31.25			363
			10 33429-5	5-R9		10.10	36.74			364
			11 33429-5	5-R10		10.66	41.86			365
			12	5-R-avg		9.05	30.48			366
			13							368
			14 33429-28	28-R1		9.20	27.58			369
			15 33429-28	28-R2		8.53	18.09			370
			16 33429-28	28-R3		8.08	21.25			371
			17 33429-28	28-R4		10.55	42.05			372
			18 33429-28	28-R5		9.77	34.57			373
			19 33429-28	28-R6		9.20	32.31			374
			20 33429-28	28-R7		9.54	33.18			375
			21 33429-28	28-R8		9.99	37.05			376
			22 33429-28	28-R9		9.43	35.04			377
			23 33429-28	28-R10		12.01	54.62			379
			24	28-R-avg	9.63	33.57				
			25						H-3	
			26 33429-139	139-R1		8.08	25.35			380
			27 33429-139	139-R2		9.32	29.45			381
			28 33429-139	139-R3		8.76	21.65			382
			29 33429-139	139-R4		10.66	41.28			383
			30 33429-139	139-R5		8.98	28.85			384
			31 33429-139	139-R6		11.11	38.77			385
			32 33429-139	139-R7		7.52	23.29			386
			33 33429-139	139-R8		9.99	33.27			387
			34 33429-139	139-R9		8.42	24.85			388
			35 33429-139	139-R10		9.88	28.97			390
			36	139-R-avg	9.27	29.58			391	
			37						392	
			38 33429-378	378-R1		10.10	36.50			393
			39 33429-378	378-R2		10.33	36.33			394
			40 33429-378	378-R3		9.09	33.10			395
			41 33429-378	378-R4		8.08	24.62			396
			42 33429-378	378-R5		9.99	35.20			397
			43 33429-378	378-R6		9.20	32.64			398
			44 33429-378	378-R7		10.10	35.56			399
			45 33429-378	378-R8		9.88	31.15			400
			46 33429-378	378-R9		12.70	53.50			
			47 33429-378	378-R10		8.08	24.98			
			48	378-R-avg	9.74	34.36			402	

Rack #	Samp #	Time	CPM_A	CPM_B	CPM_C	C 2Sig %	DPM_A	DPM_B	EL TIME	tSIE	DPM_C
1	BG	1									
2	33429-5	1	7.52				19.76				
3	33429-5	1	9.43				35.32				
4	33429-5	1	9.32				30.73				
5	33429-5	1	8.19				24.81				
6	33429-5	1	7.74				20.8				
7	33429-5	1	8.76				30.37				
8	33429-5	1	9.77				33.54				
9	33429-5	1	8.98				31.25				
10	33429-5	1	10.1				36.74				
11	33429-5	1	10.66				41.86				
12		1	9.05				30.48				
13	0	1									
14	33429-28	1	9.2				27.58				
15	33429-28	1	8.53				18.09				
16	33429-28	1	8.08				21.25				
17	33429-28	1	10.55				42.05				
18	33429-28	1	9.77				34.57				
19	33429-28	1	9.2				32.31				
20	33429-28	1	9.54				33.18				
21	33429-28	1	9.99				37.05				
22	33429-28	1	9.43				35.04				
23	33429-28	1	12.01				54.62				
24		1	9.63				33.57				
25	0	1									
26	33429-139	1	8.08				25.35				
27	33429-139	1	9.32				29.45				
28	33429-139	1	8.76				21.65				
29	33429-139	1	10.66				41.28				
30	33429-139	1	8.98				28.85				
31	33429-139	1	11.11				38.77				
32	33429-139	1	7.52				23.29				
33	33429-139	1	9.99				33.27				
34	33429-139	1	8.42				24.85				
35	33429-139	1	9.88				28.97				
36		1	9.27				29.58				
37	0	1									
38	33429-378	1	10.1				36.5				
39	33429-378	1	10.33				36.33				
40	33429-378	1	9.09				33.1				
41	33429-378	1	8.08				24.62				
42	33429-378	1	9.99				35.2				
43	33429-378	1	9.2				32.64				
44	33429-378	1	10.1				35.56				
45	33429-378	1	9.88				31.15				
46	33429-378	1	12.7				53.5				
47	33429-378	1	8.08				24.98				
48		1	9.74				34.36				

SELECT CONFIDENCE LEVEL: 90% (1) 2 <=====
 (enter the number next to the 95% (2)
 desired confidence level in box 99% (3)
 F3 {left of arrow})
 MDA CALCULATION

RSA ID #	SAMPLE COUNT TIME	BKGD COUNT TIME	BKGD CPM	DETECTOR EFICENCY	SAMPLE VOLUME L/g	LLD DPM	MDA pCi	MDA uCi
H-3	1	1	7.5	0.1831	1	84.37	38.00	3.80E-05
C-14	1	1		0.6662	1	#VALUE!	#VALUE!	#VALUE!
HE Beta	1	1	5		1	#DIV/0!	#DIV/0!	#DIV/0!

0.6662
 0.1831

RSA Laboratories
A Division of Radiation Safety Associates
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Report No. **Report 5**

Customer: **June Tamkin**

Customer Samp No. **Various**

Location: **Institute for Pharmaceutical Discovery**

RSA Lab Sample No. **33429**

Project: **Decommissioning**

15 min count X 10

Samp. Description: **Wipes**

Date Counted: **2/27/2013**

Matrix: **Wipes**

H-3 LLD dpm= 84.37

RSA ID#	CUST. ID#	Location	H-3 CPM	H-3 DPM				
BG		BACKGROUND	0.00					
33429-5	5-R1		7.52	20				
33429-5	5-R2		9.43	35.32				
33429-5	5-R3		9.32	30.73				
33429-5	5-R4		8.19	24.81				
33429-5	5-R5		7.74	20.80				
33429-5	5-R6		8.76	30.37				
33429-5	5-R7		9.77	33.54				
33429-5	5-R8		8.98	31.25				
33429-5	5-R9		10.10	36.74				
33429-5	5-R10		10.66	41.86				
	5-R-avg		9.05	30				
33429-28	28-R1		9.20	27.58				
33429-28	28-R2		8.53	18.09				
33429-28	28-R3		8.08	21.25				
33429-28	28-R4		10.55	42.05				
33429-28	28-R5		9.77	34.57				
33429-28	28-R6		9.20	32.31				
33429-28	28-R7		9.54	33.18				
33429-28	28-R8		9.99	37.05				
33429-28	28-R9		9.43	35.04				
33429-28	28-R10		12.01	54.62				
	28-R-avg		9.63	33.57				
33429-139	139-R1		8.08	25.35				
33429-139	139-R2		9.32	29.45				
33429-139	139-R3		8.76	21.65				
33429-139	139-R4		10.66	41.28				
33429-139	139-R5		8.98	28.85				
33429-139	139-R6		11.11	38.77				
33429-139	139-R7		7.52	23.29				
33429-139	139-R8		9.99	33.27				
33429-139	139-R9		8.42	24.85				
33429-139	139-R10		9.88	28.97				
	139-R-avg		9.27	29.58				



Jay R. Dockendorff
Laboratory Director

