

May 26, 2005

Ms. Toye L. Simmons
Health Physicist
Materials License Branch
U.S. Nuclear Regulatory Commission, Region III
2443 Warrenville Road, Suite 210
Lisle, IL 60532-4352

RE: Facility Decommissioning Report

Dear Ms. Simmons,

The purpose of this letter is to formally request the decommissioning of 1205 Kent Avenue, West Lafayette, IN 47906 covered under NRC License 13-32212-01. I have served as our institution's Radiation Safety Officer since this license was granted. My current contact information is listed below:

Christopher P. Leamon, Ph.D. Vice President of Research and RSO Endocyte, Inc. 3000 Kent Ave. West Lafayette, IN 47906 765-463-7175 765-463-9271 (fax)

Endocyte was granted license #13-32212-01 on December 9, 1999. We obtained Geiger Muller survey meters as well as Packard scintillation and gamma counters (with sealed sources) in March of 2000, and then received our first radioactive material (RAM) on April 11, 2000. Since that time, we purchased 123 RAM items under control in our 1205 Kent Ave. facility (the final item was received on March 28, 2005).

On April 4, 2005 the NRC granted Endocyte permission to obtain RAM in a second facility located at 3000 Kent Ave., West Lafayette, IN. The Company has formally relocated to this new facility, and all of our possessions have been removed from the 1205 Kent Ave. site; this includes containing products which were appropriately transferred to the 3000 Kent Ave. facility. Importantly, the 1205 Kent Ave. building is currently owned by Purdue



University, and it temporarily remains vacant. The three laboratory rooms approved for radioactive material will remain under restricted control by Endocyte until the NRC has granted decommission status. However, because Purdue University desires to re-lease this building, we kindly request that the NRC review this report and communicate a decision back to us as soon as possible.

As part of the decommissioning process, extensive surveys and wipe tests were performed. Details of the exact location of wipe tests can be found in Appendix 6 along with a summary of our findings. Note, a minimum of 4000 cm² were wiped in each identified location (far in excess of the recommended 100 cm² area). Our initial scintillation-based survey results from April 26, 2005 had identified a few minor hot spots within these laboratories. These areas were extensively cleaned and wipe tested a second time on May 5, 2005. Notably, all areas were declared to be at a level of contamination that was as low as reasonably achievable. Furthermore, surveys of restricted areas with a calibrated Geiger Muller counter indicated that the levels of gamma radiation were indistinguishable from background.

For your convenience, the enclosed binder contains pertinent information related to Endocyte's decommissioning process. The numbered appendices contain the following:

- 1. Copy of Endocyte's current NRC license.
- 2. Copy of Endocyte's current inventory of RAM.
- 3. Site map for Endocyte's 1205 Kent Ave. West Lafayette, IN facility
  - a. Includes details of restricted usage areas.
- 4. Inventory listing of all radioactive materials that entered the 1205 Kent Ave. facility along with their respective control numbers.
- 5. Details of waste disposal and material transfers, including
  - a. Material that decayed in storage (DIS).
  - b. Material disposed through the municipal sewer system.
  - c. Material disposed through a waste contractor.
  - d. Material transferred to other approved/licensed facilities.
- 6. Final survey results for the 1205 Kent Ave. facility, with
  - a. Detailed maps of restricted areas identifying each wipe tested location.
  - b. Spreadsheet summary of wipe test results.
  - c. Records of latest instrument calibration.
- 7. NRC Form 314 certifying that all licensed radioactive materials have been removed from the 1205 Kent Ave. facility.

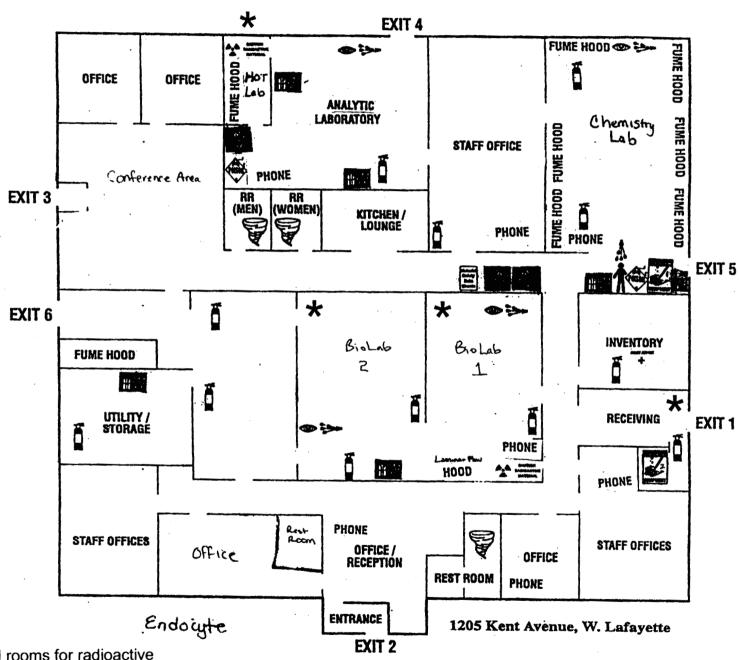


Overall, we believe that the 1205 Kent Ave. facility is suitable for release in accordance to criteria for decommissioning in 10 CFR part 20, subpart E. We also make the commitment to keep our records of this facility for a minimum of three years.

We appreciate your attention to this matter and look forward to hearing your decision on our request. Please contact me directly if you have any questions.

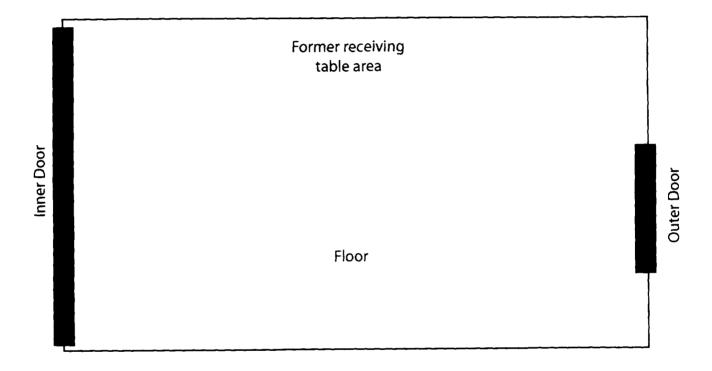
Warm regards,

Christopher P. Leamon, Ph.D.



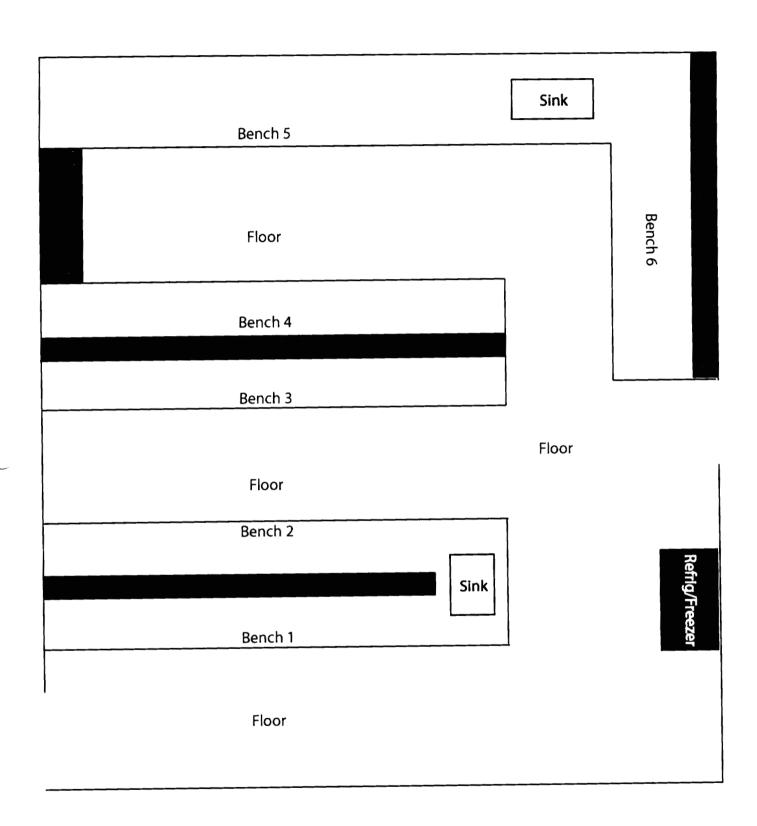
★ Approved rooms for radioactive material use or receiving

# Recieving Hallway



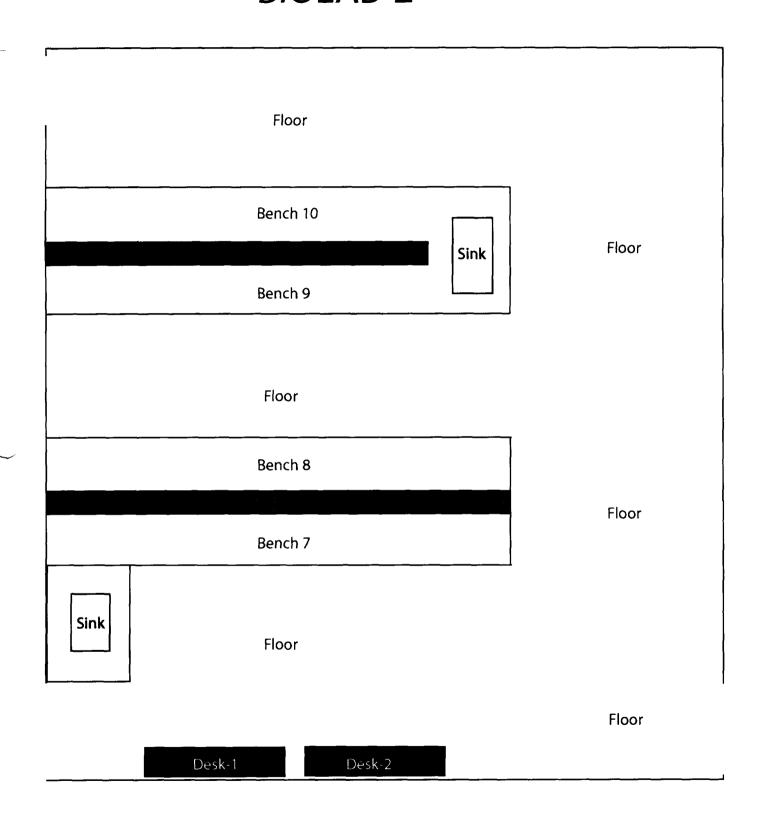
Endocyte Inc. 1205 Kent Ave. Wets Lafayette, IN 47906

## **BIOLAB-1**



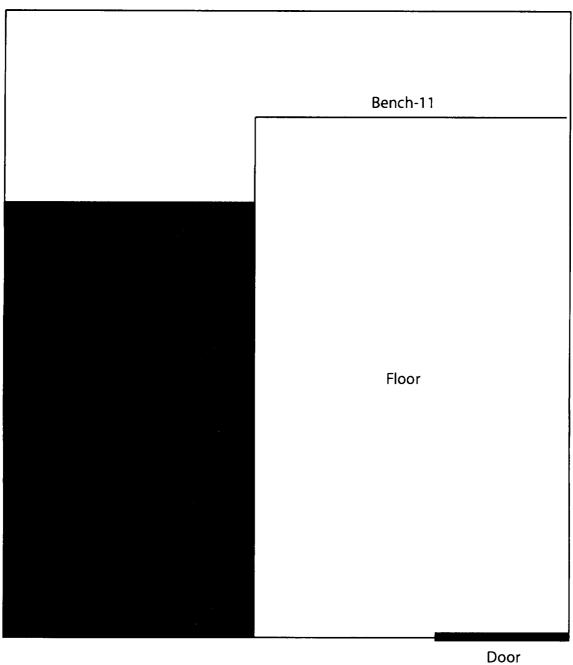
Endocyte Inc. 1205 Kent Ave. Wets Lafayette, IN 47906

## **BIOLAB-2**



Endocyte Inc. 1205 Kent Ave. Wets Lafayette, IN 47906

## Hotlab



RAM that Decayed in Storage (DIS)

# RAM Disposed Through the Municipal Sewer System

\* used seven waste calculator found at www.ehs. inc. idu/153/ram/sevenculc.htm

Permittee Name	Endocyte, Inc.
Permittee Address	1205 Kent Ave.
Permittee Address	West Lafayette, IN 47906
Permittee Phone #	765-463-7175
Permittee RSO	Christopher P. Leamon
License #	13-32212-01

Disposal Date	5-15-01
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Disposal Record	Quantity of Material	Activity (mCi)	Radionuclide
Bulk Liquid Waste <sup>1</sup>	Att ore 100 like	1.116	3/4
Other (Specify)			//

<sup>&</sup>lt;sup>1</sup> Liquid is biodegradable, non-toxic, and non-flammable

Waste based on information taken from form RS1002. List all applicable	control numbers:
0010,0009,0037,00376	

The material listed above was properly disposed of in the sewer system at Endocyte, Inc. by flushing down the sink with copious amounts of water.

**Authorized User** 

Signature/Date

**Printed Name** 

**Radiation Safety** 

Officer

Signature/Date

**Printed Name** 

Christopher P. Leamon

Rev. May 15, 2001

#### SINK Wipe test after 1.116m Ci disposed in Name:BOB (3H) 15-May-2001 02:54 Protocol #: 1 gion A: LL-UL= 0.0-18.6 Lcr= 0 Bkg= 0.00 %2 Sigma=0.00 Region B: LL-UL= 2.0-18.6 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 QIP = SIS Time = 1.00S# CPMA SIS FLAG TIME 1.00 28.00 16.967

Permittee Name	Endocyte, Inc.	
D	1205 Kent Ave.	
Permittee Address	West Lafayette, IN 47906	
Permittee Phone #	765-463-7175	
Permittee RSO	Christopher P. Leamon	
License #	13-32212-01	

Disposal Date		
<u> </u>	<u> </u>	 

Disposal Record	Quantity of Material	Activity (mCi)	Radionuclide
Bulk Liquid Waste <sup>1</sup>	41/2 gallons	0.5	3H
Other (Specify)	J		

<sup>&</sup>lt;sup>1</sup> Liquid is biodegradable, non-toxic, and non-flammable

Waste based on information taken from form RS1002. List all applicable control numbers:
0010, 0037, 0048A, 0048C, 0060, 0062

The material listed above was properly disposed of in the sewer system at Endocyte, Inc. by flushing down the sink with copious amounts of water.

Authorized User  Signature/Date    2   19   02   02   02   02   02   02   02   0	Radiation Safety Officer Signature/Date	Day Lo
Printed Name Marilynn Vetzel	Printed Name	Christopher P. Leamon

rotocol #:11 Name:H-3 CPM 19-Feb-2002 10:27
egion A: LL-UL= 0.0-18.6 Lcr= 0 Bkg= 0.00 %2 Sigma=0.00
egion B: LL-UL= 2.0-18.6 Lcr= 0 Bkg= 0.00 %2 Sigma=0.00
egion C: LL-UL= 0.0- 0.0 Lcr= 0 Bkg= 0.00 %2 Sigma=0.00
ime = 1.00 QIP = tSIE ES Terminator = Count

S# TIME CPMA CPMB SIS tSIE FLAG
1 1.00 17.00 16.00 22.092 344.

SINK WIPE AFTER 3H Dispusal



Permittee Name	Endocyte, Inc.
Permittee Address	1205 Kent Ave.
	West Lafayette, IN 47906
Permittee Phone #	765-463-7175
Permittee RSO	Christopher P. Leamon
License #	13-32212-01

Disposal Date		

Disposal Record	Quantity of Material	Activity (mCi)	Radionuclide
Bulk Liquid Waste <sup>1</sup>	18 liters	4.68	H 3
Other (Specify)			

<sup>&</sup>lt;sup>1</sup> Liquid is biodegradable, non-toxic, and non-flammable

Waste based or	n informati	on taken fr	om form R	S1002. List all applicable	control numbers:
0010	C42,	0060	0009	0070,00	7.7 (
•	·	•			

The material listed above was properly disposed of in the sewer system at Endocyte, Inc. by flushing down the sink with copious amounts of water.

(4 missing vials)
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47 2.00 33.00 27.30 20.523 48 2.00 30.80 25.80 20.523

the disposel

gel 6/15/08

#### Sewer Disposal of Radioactive Waste

RS1020

-4

#### **Material Disposed At:**

Permittee Name	Endocyte, Inc.
Permittee Address	1205 Kent Ave.
	West Lafayette, IN 47906
Permittee Phone #	765-463-7175
Permittee RSO	Christopher P. Leamon
License #	13-32212-01

Disposal Date	10-10-02
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Disposal Record	Quantity of Material	Activity (mCi)	Radionuclide
Bulk Liquid Waste <sup>1</sup>	~ 6 Liters	~ 1.13	3 H
Other (Specify)			

<sup>&</sup>lt;sup>1</sup> Liquid is biodegradable, non-toxic, and non-flammable

Waste based on information taken from form RS1002. List all appli	cable control numbers:
0070, 0072, 0060, 0073, 0071	

The material listed above was properly disposed of in the sewer system at Endocyte, Inc. by flushing down the sink with copious amounts of water.

Authorized User	Radiation Safety Officer
Signature/Date Milletrel wigoz	Signature/Date
Printed Name M. Vetzel	Printed Name Christopher P. Leamon

5# TIME CFMA CPMB 515 DPM1 tSIE FLAG Ĵ. 1.00 25.10 22.10 17.623 72.59 327. (9 midsing Vials) 11 2.00 25.80 24.50 22.029 57,59 466. 102 2.00 16.10 11.60 18.357 35.28 480.

after disposal

Permittee Name	Endocyte, Inc.
Permittee Address	1205 Kent Ave.
	West Lafayette, IN 47906
Permittee Phone #	765-463-7175
Permittee RSO	Christopher P. Leamon
License #	13-32212-01

Disposal Date	2-4-2002
	3.4 9002

Disposal Record	Quantity of Material	Activity (mCi)	Radionuclide
Bulk Liquid Waste <sup>1</sup>	~20 Liters	Indi	3.f
Other (Specify)			

<sup>&</sup>lt;sup>1</sup> Liquid is biodegradable, non-toxic, and non-flammable

Waste based on information taken from form	RS1002. List all applicable control numbers:
0062,0071,0073,0074	0075,0077

The material listed above was properly disposed of in the sewer system at Endocyte, Inc. by flushing down the sink with copious amounts of water.

**Authorized User** 

Signature/Date '

**Printed Name** 

**Radiation Safety** 

Officer

Signature/Date

**Printed Name** 

Christopher P. Leamon

Tentebleous in solutions that the Days to be a second of the policy of t

# 12M% DAMA FRMB 5.5 DPML SLIE FLAG 1 8.00 21.50 15.00 16.199 45.92 452, \_\_F[60] 2 8.00 28.00 15.50 14.190 56.88 375, \_\_SNK

> - Post Sever 3H disposal of Inte





Permittee Name	Endocyte, Inc.
Permittee Address	1205 Kent Ave.
	West Lafayette, IN 47906
Permittee Phone #	765-463-7175
Permittee RSO	Christopher P. Leamon
License #	13-32212-01

i l	
Diamond Data	
Disposal Date	

Disposal Record	Quantity of Material	Activity (mCi)	Radionuclide
Bulk Liquid Waste <sup>1</sup>	201	2.6	34
Other (Specify)			

<sup>&</sup>lt;sup>1</sup> Liquid is biodegradable, non-toxic, and non-flammable

Waste based on information taken from form RS1002. List all applicable control numbers:
060,062,071,077,082

The material listed above was properly disposed of in the sewer system at Endocyte, Inc. by flushing down the sink with copious amounts of water.

**Authorized User** 

Signature/Date

**Printed Name** 

**Radiation Safety** 

Officer

Signature/Date

**Printed Name** 

Christopher P. Leamon



#### Sewer Disposal of Radioactive Waste

#### **Material Disposed At:**

Permittee Name	Endocyte, Inc.
D	1205 Kent Ave.
Permittee Address	West Lafayette, IN 47906
Permittee Phone #	765-463-7175
Permittee RSO	Christopher P. Leamon
License #	13-32212-01

13000 T

**Disposal Date** 

Disposal Record	Quantity of Material	Activity (mCi)	Radionuclide
Bulk Liquid Waste <sup>1</sup>	>110 L	1.1	3 H
Other (Specify)			

<sup>&</sup>lt;sup>1</sup> Liquid is biodegradable, non-toxic, and non-flammable

Waste bas	sed on inform	ation taken	from form R	S1002. List al	l applicable control numbers:
0089	0084	0085	0088.	0090	
0060	0062	0071	00 77,	0082	
	7				

The material listed above was properly disposed of in the sewer system at Endocyte, Inc. by flushing down the sink with copious amounts of water.

Authorized User

Signature/Date

Printed Name

Radiation Safety
Officer

Signature/Date
Printed Name

Christopher P. Leamon

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34-4pr-2004 13 57





Permittee Name	Endocyte, Inc.	
Permittee Address	1205 Kent Ave.	
	West Lafayette, IN 47906	
Permittee Phone #	765-463-7175	
Permittee RSO	Christopher P. Leamon	
License #	13-32212-01	

Disposal Date $6/25/2004$	
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Disposal Record Quantity of Material		Activity (mCi)	Radionuclide
Bulk Liquid Waste <sup>1</sup>	> 335 Liters	3.3 6 mli	314
Other (Specify)		.06	14 C

Liquid is biodegradable, non-toxic, and non-flammable

Waste based on information taken from form RS1002. List all applicable control numbers:					
0009.	0033	0068,0	669, Cots	2,0075,0075	1,0085
	7				
				<del></del>	

The material listed above was properly disposed of in the sewer system at Endocyte, Inc. by flushing down the sink with copious amounts of water.

**Radiation Safety Authorized User** Officer Signature/Date Signature/Date

**Printed Name Printed Name** 

Christopher P. Leamon

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Permittee Name	Endocyte, Inc.
Permittee Address	1205 Kent Ave.
	West Lafayette, IN 47906
Permittee Phone #	765-463-7175
Permittee RSO	Christopher P. Leamon
License #	13-32212-01

<b>{</b>	
Disposal Date	
Dispusai Date	1
1	I

Disposal Record	Quantity of Material	Activity (mCi)	Radionuclide
Bulk Liquid Waste <sup>1</sup>	>2,500 Liter	4 9,5	34
Other (Specify)	/		

<sup>&</sup>lt;sup>1</sup> Liquid is biodegradable, non-toxic, and non-flammable

Waste based	d on informat	tion taken from	form RS1002.	List all applicable	control numbers:
0074	0083	ODOC	0115	0/02	
1 7					
	7	. 6			
~	/				

The material listed above was properly disposed of in the sewer system at Endocyte, Inc. by flushing down the sink with copious amounts of water.

Authorized User

Signature/Date

**Printed Name** 

**Radiation Safety** 

Officer

Signature/Date

**Printed Name** 

Christopher P. Leamon

5# TIME CHMA CPME 515 DPM1 tS18 FLAG 1 1:00 52:50 36:00 13:329 123:12 432: 5#IFFEL CASSA TE WITH NO LABBL 1051 FIN POS sink Wipe

Permittee Name	Endocyte, Inc.	
Permittee Address	1205 Kent Ave.	
Permittee Address	West Lafayette, IN 47906	
Permittee Phone #	765-463-7175	
Permittee RSO	Christopher P. Leamon	
License #	13-32212-01	

Disposal Date	4-6-05
---------------	--------

Disposal Record	Quantity of Material	Activity (mCi)	Radionuclide
Bulk Liquid Waste <sup>l</sup>	1666 laters	~0,)	99 TC
Other (Specify)			

Liquid is biodegradable, non-toxic, and non-flammable

Waste based on information taken from form RS1002. List all applicable control number	ers:
control + voyl, assig	

The material listed above was properly disposed of in the sewer system at Endocyte, Inc. by flushing down the sink with copious amounts of water.

Authorized User		Radiation Safety Officer	
Signature/Date	Maria 1 strel 46/05	Signature/Date	State 4/6/05
Printed Name	Marilyan Vetzel	Printed Name	Christopher P. Leamon

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Permittee Name	Endocyte, Inc.	
Downitton Address	1205 Kent Ave.	
Permittee Address	West Lafayette, IN 47906	
Permittee Phone #	765-463-7175	
Permittee RSO	Christopher P. Leamon	
License #	13-32212-01	

Disposal Date	4/7/05
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Disposal Record	Quantity of Material	Activity (mCi)	Radionuclide
Bulk Liquid Waste <sup>1</sup>	7200 Liter	1.4mCe	3/1
Other (Specify)			

<sup>&</sup>lt;sup>1</sup> Liquid is biodegradable, non-toxic, and non-flammable

Waste based on information taken from form RS1002. List all applicable control numbers:	
0/02,0114,0118,0115,0128 0120	

The material listed above was properly disposed of in the sewer system at Endocyte, Inc. by flushing down the sink with copious amounts of water.

Authorized User	Radiation Safety Officer	
Signature/Date Munt 1/20 //a	Signature/Date Signature	
Printed Name Marilan Vetzel	Printed Name Christopher P. Leamon	
FOR SINK WIPE  SEE "LAST DAY  Sample #71 do	" WIPES (1-71) ated 08 APR 2005	

of massing cases  $\mathcal{S}$ 

# RAM Disposed Through a Waste Contractor



#### **Material Transferred From:**

Permittee Name	Endocyte, Inc.
D 144 A 3.3	1205 Kent Ave.
Permittee Address	West Lafayette, IN 47906
Permittee Phone #	765-463-7175
Permittee RSO	Christopher P. Leamon
License #	13-32212-01

Transfer Date	5-15-01

Disposal Record	Quantity of Material	Activity (mCi)	Radionuclide
Dry Waste Box	4 boxes	0.2 total ~0.05 pach	H-3
Liquid Scintillation Vials <sup>1</sup>	55 gallondrum-full	0.2	H3
Liquid Scintillation Bulk Fluid <sup>1</sup>	0		
Absorbed Aqueous Liquid			
Other (Specify)			

<sup>&</sup>lt;sup>1</sup> Liquid is biodegradable, non-toxic, and non-flammable

Waste based on information taken from form RS1002.	List all applicable control numbers:
0010,0009,0037,00376	

#### **Material Transferred To:**

Permittee Name	Bionomics, Inc.
T	PO Box 817
Permittee Address	Kingston, TN 37763
Permittee Phone #	865-376-0053
Contact Person	Paul Nipper or John McCormick
License #	

The material listed above was transferred from Endocyte, Inc. to Bionomics, Inc. for proper disposal of the radioactive waste:

Endocyte, Inc.

Signature/Date

**Printed Name** 

5/15/01

Christopher P. Leamon

Bionomics, Inc.

Signature/Date

**Printed Name** 

BRYAN KIRK

EXPIRES 05/31/2001 ESTIMATED borden per response to co Forward comments regarding burden Washington, DC 20503 if an informat	inply with this informati estimate to the Reco ion collection does not	on collection rds Managen display a curre	request: 1.17 hours. This uniform m lent Branch (T-6 F33), U.S. Nuclear antly valid OMB control number, the N	anifest is required Regulatory C Pomay not co	aired by NRC to meet reporti Commission, Washington, D Conduct or sponsor, and a per	ing requirements of f IC 20555-0001, and	Foderal and State Agend to the Paperwork Reduction	cies for the same to uction Project (315	ansportation and dispo 0-0164), Office of Mar	sal of low-level vacate agoment and Budget,
NRC FORM 640 U.S. NUCLEAR REGULATO	ORY COMMISSION	5. SHIPPER	- NAME AND FACILITY		SHIPPER I.D. NUMBER	7. NRC FORM 540 AJ			8 MANIFEST N	
UNIFORM LOW-LEVEL RADIOACTIV	·=	ENDO				NRC FORM 540 A		PAGE PAGE	(Use this numb	all continuation
WASTE MANIFEST	· E		KENT AVE		COLLECTOR	NRC FORM 542 A		O PAGE		
=		W.L	AFAYETTE IN 47	1906	PROCESSOR	ADDITIONAL INFO		PAG		1
SHIPPING PAPER		USER PERM	T NUMBER SHIPMENT	NUMBER	GENERATOR TYPE (Specify)		me and Facility Address		CONTACT	
1 EMERGENCY TELEPHONE NUMBER (Include Area Code)		L			O	173-D4	KATOK		Jun 14a	a utv
865-376-0193		CONTACT			TELEPHONE NUMBER	1560 K	EM CRUIT	160%	TELEPHONE NUM	C.VEY BER (Include Area Code)
ORGANIZATION		$\perp$ $\wedge$	ATTLE CARNAITA	N	(Include Area Code) (-765)4(63-7/75	OAK RING	# 18/ 378	} ¬ ,		8/-0222
BIONOMICS		6. CARRIER	Name and Address		EPA I.D. NUMBER	SIGNATURE - Author	rized consigues acknowled		DATE /	97
2 IS THIS AN "EXCLUSIVE USE" SHIPMENT? 3 TOTAL NUMBER OF PACKAGES IDENTIFIED		TAG	TRANSPORT W RUCKWOOD. WOOD TN 3789		THEODOXXXIII	D.W. 0	V 1/1		05/50/0	) /
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NO ====>		ROCIC	2000 TN 3789	<i>:</i> Y	5/5/0/ TELEPHONE NUMBER (Include Area Code)	This is to certify that t	e herein-named materials trs. station according to	are properly classified	, described, puckaged, ma	iked, and labeled and are
4 (XXES EPA REGULATED YES EPA MANIFEST NUMBER WASTE REQUIRING A		CONTACT	7		TELEPHONE NUMBER (Include Area Code)	certifies that the mate	ris, zre classified, packag	od, marked, and labe	led and are in proper cond	Ricon for transportation and
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THIS SHIPMENT? If Yes," provide Manifest Number =====>		SIGNATURE	Authorized carrier acknowledging waste of	ecelp!	DATE	AUTHORIZED SIGNA	•	TITLE	6 (	DATE
		ļ	Charles.	,	5/15/01	Vatalii (	amahan	OA/QC.	Sakty	5-15-01
11 U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	74. YHYSICAL AND	1	15. INDIVIDUAL		18. TOTAL PACKAGE	LSA/SCO	18. TOTAL WEIGHT OR VOLUME	19. IDENTIFICATION NUMBER OF
and any addresses information)	"RADIOACTIVE"	INDEX	CHEMICAL FORM		RADIONUCLIDES	<del></del>	ACTIVITY IN SI UNITS	CLASS	(Use appropriate units)	PACKAGE
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05-Jun-01

ENDOCYTE

NATALIE CARNAHAN

ENVIRONMENTAL SAFETY

1205 KENT AVENUE

W LAFAYETTE IN 00073-0641

REF: MANIFEST NUMBER: 51501A SHIPMENT NUMBER: BIO-195

CERTIFICATE OF RECYCLING/MATERIALS RE-USE

ON THE ABOVE DATE, YOUR WASTE MATERIAL WAS RECEIVED AT OUR FACILITY FOR THE PURPOSE OF RECYCLING AND OR FUEL BLENDING.

THIS MATERIAL WILL BE DISPOSED OF IN FULL BY RECLAMATION OR REUSE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS.

THIS ENTIRE PROCESS IS GENERALLY COMPLETED WITHIN A 30-DAY PERIOD FROM THE DATE OF THE SHIPMENT.

# NON-HAZARDOUS WASTE

#### **NON-HAZARDOUS WASTE MANIFEST**

Please print or type (Form designed for use on elite	e (12 pitch) typewriter)						
NON-HAZARDOUS	1. Generator's US EPA ID No.				Manifest Document No. 2. Page 1		
WASTE MANIFEST				Document No	51501-17	of	
3. Generator's Name and Mailing Address	VDOCYTE						
120	OS KENT AUG	IN 47906					
	LAPAYETTE	IN 47906					
4. Generator's Phone ( 763) 463	11 15						
5. Transporter 1 Company Name	6	_		A. State Trans			
TAG TRANSPORT	<u> </u>	TN2000003111		B. Transporte	r 1 Phone 865 - 354	-6927	
7. Transporter 2 Company Name	3	3. US EPA ID Number		C. State Trans	sporter's ID		
				D. Transporte			
9. Designated Facility Name and Site Address		0. US EPA ID Number		E. State Facili		, /	
PERMA-PIX 1940 NOGTTH A	$\mathcal{I}_{l}$			F. Facility's Pl	D98071101	/	
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CAINESVILLE FL3	12603	FUIDO MON		ntainers	<u>2-373-60</u>	14.	
TI. WASTE DESCRIPTION			No.	Type	Total Quantity	Unit Wt./Vol.	
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G. Additional Descriptions for Materials Listed Ab	ove			1			
G. Additional Descriptions for Materials Listed Ab	ove			501.			
G. Additional Descriptions for Materials Listed Ab	ove			1			
G. Additional Descriptions for Materials Listed Ab	ove			1			
G. Additional Descriptions for Materials Listed Ab	ove			S01.			
G. Additional Descriptions for Materials Listed Ab				S01.	M141	****	
				S01.	M141		
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15. Special Handling Instructions and Additional I	Information			S01.	M141		
	Information  certify that the contents of this	shipment are fully <b>and</b> accurately describer re not subject to federal hazardous waste r	d and are in	S01.	M141		
15. Special Handling Instructions and Additional I	Information  certify that the contents of this	shipment are fully <b>and</b> accurately describer re not subject to fe <b>de</b> ral hazardous waste r	d and are in egulations.	S01.	M141		
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15. Special Handling Instructions and Additional I	Information  certify that the contents of this	shipment are fully and accurately describer re not subject to federal hazardous waste r Signature	egulations.	S01	M/41	Date nth Day Year	
15. Special Handling Instructions and Additional I	certify that the contents of this is described on this manifest a	re not subject to federal hazardous waste r	egulations.	S01.	M/41	Date nth Day Year	
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PRINTED ON RECYCLED PAPER PRINTED WITH



#### **Material Transferred From:**

Permittee Name	Endocyte, Inc.	
Downitton Address	1205 Kent Ave.	
Permittee Address	West Lafayette, IN 47906	
Permittee Phone #	765-463-7175	
Permittee RSO	Christopher P. Leamon	
License #	13-32212-01	

Transfer Date	2-19-02
---------------	---------

Disposal Record	Quantity of Material	Activity (mCi)	Radionuclide
Dry Waste Box	4 boxes	0.2total	4-3
Liquid Scintillation Vials <sup>1</sup>	1 full 55 and on drum	1.0	H-3
Liquid Scintillation Bulk Fluid <sup>1</sup>	J		
Absorbed Aqueous Liquid			
Other (Specify)			

<sup>&</sup>lt;sup>1</sup> Liquid is biodegradable, non-toxic, and non-flammable

Waste based on information taken from form RS1002. List all applicable control numbers:
0010, 0037, 004RA, 0048C, 0060, 0062

#### **Material Transferred To:**

Permittee Name	Bionomics, Inc.
Downsittee Address	PO Box 817
Permittee Address	Kingston, TN 37763
Permittee Phone #	865-376-0053
Contact Person	Paul Nipper or John McCormick
License #	

The material listed above was transferred from Endocyte, Inc. to Bionomics, Inc. for proper disposal of the radioactive waste:

Endocyte, Inc.

Signature/Date

**Printed Name** 

Christopher P. Leamon

Bionomics, Inc.

Signature/Date

**Printed Name** 

2/19/02

Rev. May 15, 2001

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	EVEL RADIOACTIVE	ຸດ	1205 Kent Ave West Lefayeth Kingsten, Tri-1	e, IN 47906				COLLECTOR	NRC 542 AND 542A ADDITIONAL INFORMATION		<u> </u>	PAGE(S) PAGE(S)	
	ING PAPER	alo	USER PERMI		SHIPMENT	AUTOCO		PROCESSOR  GENERATOR TYPE	CONSIGNEE - Name and Facility Address			219	02-E
MERY TELEPHONE NUMBER	R (Include Area Code)	<u> </u>	-	- NOMBER	SHIFMENT	NUMBER	Х	(Revoly)	Duratek	i		CONTACT	- H
	376-0193		CONTACT					HONE NUMBER Area Cade)	1560 Bear Creek Road Oak Ridge, TN 37831			TELEPHONE	Im Harvey
SANIZATION BIONO	MICS, INC.		6. CARREST-No.	me and Address				765) 463-7175 D. NUMBER	SIGNATURE - Authorized consigner actingon	bifging weeks receip	×	DATE	5) 481-0222
THIS AN EXCLUSIVE USE SHIPMENT?  X yes	3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST		T.A.G. Tran 619 W. Ro		neet			NR000003111	D.W.WM		ERITEICATION		01/02
NO DES EPA REGULATED   YES	EPA MANAFEST NUMBER	<u>. 7 ·                                   </u>	Rockwood,				-12	119102	This is to certify that the haruft-nerred materi			ged, marked, and labeled	d and are
ASTE REQUIRING A X NO			Gary Kindrick				HONE NUMBER	In proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are clearfied, packaged, wanted, and labeled and are in proper condition for transportation and				efon and	
HS SIGNACYT? "Yos" provide Manifest Number *****	N/A		SIGNATURE, AU	typitzad center a	teromposping weeks	receipt	DATE 72	(865) 354-6927 -119 10 ~- '	AUTHORIZED SIGNATURE / ITIMA			equivalent state regulat	DATE
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# **NON-HAZARDOUS WASTE MANIFEST**

Γ	Please print or type (Form designed for use on elite	(12 pitch) typewriter;				
	NON-HAZARDOUS WASTE MANIFEST	1. Generator's US EP4 ID No  INCESQG		Manites: Document N.	21902-D	2 Page 1
	3 Generator's Name and Mailing Address	NUOCYTE 205 KENT AVE DEST LAANVEITE IN 47	7906		71 102 D	
	5. Transporter 1 Company Name	€ US E₽A ID	Number	A. State Tran	sporter's if:	
	7. Transporter 2 Company Name:	8. US EPA ID	00 3///		er 1 Phone (865)353	4-6927
	PR-1 (			C State Tran	sporter's (E)	
	Windrick Trucking Co	10. US E.PA ID		D. Transporte  E. State Facili		
	PERMA-FIXOF FLO	RIDA		1	LD9807/10-	7 /
Š	1940 NO GTH PC	12652   ELDODA	71/07 1	F Facility's P	hone	
	11. WASTE DESCRIPTION	12653   FLD9807		ontainers	<u>2)373-60@</u>	<u>6</u>
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	G. Additional Descriptions for Materials Listed Above	e				
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NON-HA				Asi X		
k	in proper condition for transport. The materials of	ify that the contents of this shipment are fully and acciescribed on this manifest are not subject to federal had	urately described and are in a zardous waste regulations.	III respects		
				et.	<u> </u>	Date
	Printed Typed Name	Signature	1/	40	2 Month	Day Year
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) P O	18 Transporte 2 Accrowlagement of Receipt of M	atonals /	/ Dut		<u> </u>	19/02
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Ř	JASON SPANIC	LED Yash	2 Della	ylen	03	04/02
FAC			/ /	7		
ΥĹ	20 Facility Owner or Operator Certification of receip	of the waste materials covered by this manifest, exce	ept as noted in item 19			
1	Printed/Type d Name	/ Signature	1			Sate
Υ	Monos AH	arms /	11-1	1		Day Year



11-Mar-02

ENDOCYTE
MARILYNN VETZEL
ENVIRONMENTAL SAFETY
1205 KENT AVE
W LAFAYETTE IN 47906

REF: MANIFEST NUMBER:21902D SHIPMENT NUMBER: BIO-219

CERTIFICATE OF RECYCLING/MATERIALS RE-USE

ON THE ABOVE DATE, YOUR WASTE MATERIAL WAS RECEIVED AT OUR FACILITY FOR THE PURPOSE OF RECYCLING AND OR FUEL BLENDING.

THIS MATERIAL WILL BE DISPOSED OF IN FULL BY RECLAMATION OR REUSE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS.

THIS ENTIRE PROCESS IS GENERALLY COMPLETED WITHIN A 30-DAY PERIOD FROM THE DATE OF THE SHIPMENT.



April 3, 2002

Dear Customer,

This is a note to explain the attached NRC 540 form for the material previously picked up at your facility. The only change from your original NRC 540 form from the pick up and the following is in Item No. 9 "signature" which identifies that GTS Duratek is acknowledging waste receipt from your facility.

Please keep this with your original as well as future disposal certifications.

If you have any questions please feel free to contact me at (865) 376-0053.

Sincerely.

ia Hammonds
dm. Assistant



#### **Material Transferred From:**

Permittee Name	Endocyte, Inc.				
Danneittas Addusas	1205 Kent Ave.				
Permittee Address	West Lafayette, IN 47906				
Permittee Phone #	765-463-7175				
Permittee RSO	Christopher P. Leamon				
License #	13-32212-01				

Transfer Date	6-19-02
	- · · · · · · · · · · · · · · · · · · ·

Disposal Record	Quantity of Material	Activity (mCi)	Radionuclide
Dry Waste Box	7 boxes	:0.124 total	H-3
Liquid Scintillation Vials <sup>1</sup>	2 55 gallon drums	0.03 total	H-3
Liquid Scintillation Bulk Fluid <sup>1</sup>			
Absorbed Aqueous Liquid		•	
Other (Specify)			

Liquid is biodegradable, non-toxic, and non-flammable

Waste based on information	taken from form RS1002.	List all applicable control numbers:
3010 00103	1000,0009	753,0070,0071
'		

#### **Material Transferred To:**

Permittee Name	Bionomics, Inc.
Downiston Address	PO Box 817
Permittee Address	Kingston, TN 37763
Permittee Phone #	865-376-0053
Contact Person	Paul Nipper or John McCormick
License #	

The material listed above was transferred from Endocyte, Inc. to Bionomics, Inc. for proper disposal of the radioactive waste:

Endocyte, Inc.

Signature/Date

**Printed Name** 

Christopher P. Leamon

Bionomics, Inc.

Signature/Date

Printed Name

PAYMOND D. Alexander

APPROVED BY OMB. NO 3199-0164

Estimated burden per response to compty with this information collection request: 1.17 hours. This uniform manifest is required by NRC to meet reporting requirements of Federal and State Agencies for the same transportation and disposal of low-level waste.

Estimated burden per response to compty with this information collection request: 1.17 hours. This uniform manifest is required by NRC to meet reporting requirements of Federal and State Agencies for the same transportation and disposal of low-level waste.

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NRC FORM 540 U. S. NUCLEAR REGULATORY CO	MMISSION	5 SHIPPER -	NAME AND FACILITY		SHIP	PER I.D. NUMBER	7. NRC FORM 540 AN		/PAGE	(Ose this number		
UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST		USER PERMIT NUMBER SHIPMENT NUMBER			_	COLLECTOR PROCESSOR	NRC FORM 542 AND 542A		NONE PAGE		902	
SHIPPING PAPER						GENERATOR TYPE (Specify)	9. CONSIGNEE - Non Durate K	ne and Facility Address	JIM HARVEY		eve 4	
1 EMERGENCY TELEPHONE NUMBER (Include Area Code)  865376-0193		CONTACT  NATALIE CARNAIJAN			finclu	PHONE NUMBER Ide Area Code)	1560 BEAR Creek Rd. OAK Ridge TN. 37831			TELEPHONE NUMB	TELEPHONE NUMBER (Include Area Code) 865 481-0222	
BIONOMICS, INC.		6. CARRIER -	Name and Address PANSPORT	,,,,,,,	EPA	I.D. NUMBER		and configure action of the		DATE 06/26/	/	
2 IS THIS AN "EXCLUSIVE USE" SHIPMENT?  VES  NO  13. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANKEST  =====>	,	28181	COANE STATE CIMAN, TN. 3	Hwy, 37748	SH#P	RUUU003111 PING DATE 19-02.	TO2253 This is to certify that the	a herein-named meterials a	10. CERTIFICATION	described, peckaged, man	ted, and labeled and are	
4 ODES EPA REGULATED YES EPA MANIFEST NUMBER WASTE REGUIRING A MANIFEST ACCOMPANY NO		CONTACT	ARY Kindr	ick	(Inclu	PHONE NUMBER ade Area Code) 5 882-0457	certifies that the maker disposal as described regulations.	isis are classified, peckage in accordance with the s	ed, marked, and label pplicable requirement	ed and are in proper condit	ion for transportation and	
THIS SHIPMENT? If "Yes," provide Menifest Number =====>		SKINATURE -	Authorized certify actions	ging waste receipt	GATE G	19-02	AUTU-SHIP SHIP	URE	TICE LIE	stellet/ass	6-19-42	
11 U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UNIO number, and any additional information) RA	12. OT LABEL DIOACTIVE	TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	4		15. INDIVIDUAL RADIONUCLIDES		TOTAL PACKAGE ACTIVITY IN SI UNITS	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE	
RADIONCEINE MATERIAL, LSA, MOS., 7, UNZGIZ	1.19	M	SOUD/OXIO	25 43				0,74 1139	LS# 11	007m3		
	Nt	NA	Soup ox 100	es 1/3				0,74 mBg	LSAII	0,071113	Z	
	NA	1/A	SOUP OXIP	es H3				0.74 mBg	ESALI	0,0713	3	
RADICACTIVE MATERIAL LSA, NOS, 7, 4W271Z	NIA	NA	Soup JOX IL	xes H3				6.74 mBg	LSA 11	0,0703	4	
PADIUNCTIVE MATERIAL, USA, MIOS. 7, UNZAIZ	NA	NA	SULID/OXIL	ces H3				6.74 mBg	LSAII	0.07m3	S	
PADIUNGIVE MATERIAL LSA, MAS, 7, LW2912	NA	1~19	SOMO/OX K	cs 142		-		O. 74 MBy	LSAII	0.07113	4	
PADIEDLEIVE MATERIAL, LEA, MOS. 7, LINEAR	NA	NA	Soup/cx11	XLS 1/3		<u> </u>		0,74.mBg	LSAII	0,07113	7	
FOR CONSIGNEE USE ONLY												

se print or type (Form designed for use on elite		RDOUS WASTE	MANIF	EST		
NON-HAZARDOUS WASTE MANIFEST	1. Generator's US EPA	ID No.		Manifest Document No	61902	2. Page 1
Generator's Name and Mailing Address	NDUCTTE					
/2	205 Kent	AV. 10, IN. 47906		<u> </u>		
4. deficially 31 Holle ( 163) 463 -	7175					
5. Transporter 1 Company Name  TAGE TRANSPORT	_	6. US EPA ID Number	1	A. State Trans		
7. Transporter 2 Company Name		TUROUSCU 3 / 1  8. US EPA ID Number	1	B. Transporte C. State Tran	r 1 Phone 365 8 5	32.045
				D. Transporte	<del></del>	
Designated Facility Name and Site Address		10. US EPA ID Number		E. State Facil	ity's ID	
Parma-FIX7th F 1946 14 W E7th F CAINESUITE, FL	lace			F 5		
GAINES VILLE, FL.	32653	FLD9807110	71	F. Facility's P	2-373-6	066
11. WASTE DESCRIPTION			12. Co	ontainers Type	13. Tota! Quantity	14. Unit Wt./Vol.
a.						
NRC EXEMPTS	CINTILLAT	ION VIALS	02	Dm	000 12	G
b.						<del></del>
				ĺ		
С.				ļ		
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d.						
G. Additional Descriptions for Materials Listed Abo	ove			H. Handling C	odes for Wastes Listed Abo	ve
PADFILE #0055	·)					
15. Special Handling Instructions and Additional In 24 Hour Emergen	nformation	65-376-619	ラマ	· · · · · · · · · · · · · · · · · · ·		
,	1 10. 0		<i>'</i>			
16. GENERATOR'S CERTIFICATION: I hereby confirming the proper condition for transport. The materials	ertify that the contents of this	s shipment are fully and accurately described to lederal hazardous was	ibed and are in	ali respects	A TO BUST	A A STATE OF THE S
in proper container to transport. The majorital	-	are not subject to reducin nazardous was	ic regulations.		<del></del>	
Printed/Typed Name		Signature	<del>/-</del>		Mor	Date oth Day Ye
Dr. Christyha. J. 1.	E Amor	1 X ( 0	<del>/</del>		(A)	19 62
17. Transporter 1 Acknowledgement of Receipt of	Materials					Date
Primed/Typed Name	lova du	Signature	D (1		Mor	oth Day Ye
18. Transporter 2 Acknowledgement of Receipt of	exandu Materials	The state	<u>, ( )                                  </u>	yes	- Ol	Date Date
Printed/Typed Name		Signature			Mor	
19. Discrepancy Indication Space						
20 English Owner or Operator: Codification of sec						

Day Year



October 14, 2002

Ms. Natalie Carnahan Endocyte Environmental Health & Safety Office 1205 Kent Ave. West Lafayette, IN 47906

RE: Manifest #61902 Picked-up on 6/19/02

Dear Ms. Carnahan:

This is to certify that the radioactive material picked up at your facility on June 19, 2002 on manifest number 61902 has been disposed of at the Envirocare Waste Management Facility.

Please reference the following table for detailed disposal information.

	Containe Number	Pisoosal Pvoluma (res)	Disposal Singunant Numbes	Disposal Date
61902	1	.00860	T023418	9/12/02
61902	2	.01003	T023418	9/12/02
61902	3	.00716	T023418	9/12/02
61902	4	.00669	T023418	9/12/02
61902	5	.00874	T023418	9/12/02
61902	6	.00822	T023418	9/12/02
61902	7	.00907	T023418	9/12/02

If you have any questions please feel free to contact me at (865) 376-0053.

Wha //c

Thank you,

Mia Hammonds

Administrative Assistant

Cc: File



26-Jun-02

ENDOCYTE
DR CHRISTOPHER P LEAMON
ENVIRONMENTAL SAFETY
1205 KENT AVE
W LAFAYETTE IN 47906

REF: MANIFEST NUMBER: 61902 SHIPMENT NUMBER: BIO-227

CERTIFICATE OF RECYCLING/MATERIALS RE-USE

ON THE ABOVE DATE, YOUR WASTE MATERIAL WAS RECEIVED AT OUR FACILITY FOR THE PURPOSE OF RECYCLING AND OR FUEL BLENDING.

THIS MATERIAL WILL BE DISPOSED OF IN FULL BY RECLAMATION OR REUSE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS.

THIS ENTIRE PROCESS IS GENERALLY COMPLETED WITHIN A 30-DAY PERIOD FROM THE DATE OF THE SHIPMENT.



July 12, 2002

Dear Customer,

As required by 10 CFR Part 20 (Appendix G), this letter is notification that Duratek has received the shipment recently picked up at your facility. Attached you will find the NRC 540 form for the material previously picked up at your facility. The only change from your original NRC 540 form is in Item No. 9 "signature" which identifies that Duratek is acknowledging waste receipt from your facility

Please keep this with your original as well as future disposal certifications.

If you have any questions please feel free to contact me at (865) 376-0053.

Sincerely,

Mia Hammonds Adm. Assistant

cc: File

# Transfer of Radioactive Waste to Authorized Disposal Facility RS1019

-4

# **Material Transferred From:**

Permittee Name	Endocyte, Inc.
D	1205 Kent Ave.
Permittee Address	West Lafayette, IN 47906
Permittee Phone #	765-463-7175
Permittee RSO	Christopher P. Leamon
License #	13-32212-01

Transfer Date	10-10-02
	<u> </u>

Disposal Record	Quantity of Material	Activity (mCi)	Radionuclide
Dry Waste Box	4 boxes	-0.18 each	H-3
Liquid Scintillation Vials <sup>1</sup>	1 35 gallon drum-full	-0.2	4-3
Liquid Scintillation Bulk Fluid <sup>1</sup>	J		
Absorbed Aqueous Liquid			
Other (Specify)			

Liquid is biodegradable, non-toxic, and non-flammable

Waste based	on informat	ion taken fro	m form RS1	002. List al	applicable cor	trol numbers:
0070	.0072	. DO60	10073	0071		
			( -	f		

# **Material Transferred To:**

Permittee Name	Bionomics, Inc.
Permittee Address	PO Box 817
	Kingston, TN 37763
Permittee Phone #	865-376-0053
Contact Person	Paul Nipper or John McCormick
License #	

The material listed above was transferred from Endocyte, Inc. to Bionomics, Inc. for proper disposal of the radioactive waste:

Endocyte, Inc.

Signature/Date

**Printed Name** 

W. T.

Christopher P. Leamon

Bionomics, Inc.

Signature/Date

**Printed Name** 

BRYAD KIRK

APPROVED BY OMB. NO. 3150-0164 Estimated Expires 05/31/2001 Forward Washingt	burden per response to co comments regarding burder on, DC 20503. If an informal	mply with this informati costimate to the Reco ion collection does not	ion collection ords Manager display a curr	request: 1.17 hours. This uniform nent Branch (1-6 F33), U.S. Nuclea ently valid OMB control number, the N	nanifest is req ir Regulatory	uired by NRC to meet report Commission, Washington, I	ing requirements of DC 20555 0001, and	Federal and State Agen Lto the Paperwork Red	cies for the same uction Project (31	transportation and despe	osal of low-level vaiste
UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST SHIPPING PAPER  1 EMERGENCY TELEPHONE NUMBER (Include Area Code)  865 376~ 0193		SHIPPER ENDO 120 S LO, L USER PERM CONTACT	ALIE CARAMAN	SHIPPER ID NUMBER  COLLECTOR PROCESSOR (Specify)  TELEPHONE NUMBER Include Area Code)	7. NRC FORM 540 A NRC FORM 541 A NRC FORM 542 A ADDI-HONAL INFO  9. CONCIGNEE NI DORATE 15045 BE	ND 504A PAGE 1 O ND 541A ND 542A XXMATION arms and Facility Address	F PAG	EE(S) 6 MANIFEST RA M (Use this number pages)  EE(S) / O / O  CONTACT  PLEPHONE RUM	ABLE Continuation  ABLE CONTINUATION  ABLE (Include Area Code)		
IS DIES AN TEXCLUSIVE USET SHIPMENT?  X YES NO  4 DOES EPA REGULATED WASTE RECORDERED WASTE RECORDERED THIS SHIPMENT?	3 TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST ETTELS	4	6 CARRIER - Name and Address TAG TRANSPORT ZESTES ROANE STATE HOLY, HARRIMAN TN 37748 CONTACT GARY KINDRICK		EPA10. NUMBER  TINE COCCOCS 311). SHIPPING DATE  10   10   0   0   TELEPHONE NUMBER (Include Avac Code).  865 882 045	SIGNATURE - Author  CILL P This is to certify that to in proper condution for certifies that the mate disponal as describe regulations.	he herein-named materials transportation according to trains a coording to the scoording to	ying waste receipt  10 CERTIFICATIO  are properly classified the applicable regul	ng waste receipt DATE		
# "Yos." provide Manifest Number =====>  11 U.S. DEPARTMENT OF TRANSPORTA" (Including proper shapping name, hazard cla and any additional information)	DON DESCRIPTION	12 DOT LABEL "RADIOACTIVE"	13. TRANSPORTI		roceipl	DATE 10/10/07 18. INDIVIDUAL	AUTHORIZED, SIGNA		VICE RO	Lant / CSO 18. FOTAL WEIGHT	19 IDENTIFICATION
RADIDACTIUM MATER	IAC,LSA,	N/A	NA	SOLID OKLOSZ	H3_	RADIONUCLIDES		TOTAL PACKAGE ACTIVITY IN SI UNITS	LSAJE	OR VOLUME (Use appropriate units)	NUMBER OF PACKAGE
RADIONESTUS MATER		N/A	J-				,	mBq ( 1014			
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RADIOACTUS MATURIA NIOISI, 7, UNO910	· 1	N JA	NA	SOLID/OXIDES	Нз			la la le	LSPIE	0,15m3	_3
VRC FORM \$40 (5-1988)											
		<b>di k</b> a ka	i. 8. h. e. e	:		COMSIGNEE		(0/11.15.1.0)		ANY WASTE I	



April 8, 2003

Ms. Natalie Carnahan Endocyte 1205 Kent Ave. West Lafayette, IN 47906

RE: Manifest #101002-C picked-up on 10/10/02

Dear Ms. Carnahan:

This is to certify that the radioactive material picked up at your facility on October 10, 2002 on manifest number 101002-C has been disposed of at the Envirocare Waste Management Facility.

Please reference the following table for detailed disposal information.

Manifest Number	Container Number	Disposal Volume (ft³)	Disposal Shipment Number	Disposal Date
101002-C	1	.07529	T031215	3/27/03
101002-C	2	.16000	T031215	3/27/03
101002-C	3	.16000	T031215	3/27/03
101002-C	4	.15059	T031215	3/27/03

If you have any questions please feel free to contact me at (865) 376-0053.

Mia Hammonds

Administrative Assistant

Cc: File



November 7, 2002

Dear Customer,

As required by 10 CFR Part 20 (Appendix G), this letter is notification that Duratek has received the shipment recently picked up at your facility. Attached you will find a copy of your NRC 540 form, the only change from the original is in Item No. 9 "signature" which identifies that Duratek is acknowledging receipt of your waste from your facility.

Please keep this with your original as well as future disposal certifications.

If you have any questio as please feel free to contact me at (865) 376-0053.

Sincerely

Mia Hammonds Adm. Assistant

Cc: File GTS-02-017



-5

# Material Transferred From:

Permittee Name	Endocyte, Inc.
Permittee Address	1205 Kent Ave.
	West Lafayette, IN 47906
Permittee Phone #	765-463-7175
Permittee RSO	Christopher P. Leamon
License #	13-32212-01

Transfer Date	2-4-2003
21222222	

Disposal Record	Quantity of Material	Activity (mCi)	Radionuclide
Dry Waste Box	6 boxes	133mci/bo	× 3H
Liquid Scintillation Vials <sup>1</sup>	1 55 gallon drum	Diame	314
Liquid Scintillation Bulk Fluid <sup>1</sup>	J		•
Absorbed Aqueous Liquid			
Other (Specify)			

<sup>&</sup>lt;sup>1</sup> Liquid is biodegradable, non-toxic, and non-flammable

						le control numbe	rs:
0060	OD62,	0071	0073	0074.	0075	0077	

#### **Material Transferred To:**

Permittee Name	Bionomics, Inc.
Permittee Address	PO Box 817
	Kingston, TN 37763
Permittee Phone #	865-376-0053
Contact Person	Paul Nipper or John McCormick
License #	

The material listed above was transferred from Endocyte, Inc. to Bionomics, Inc. for proper disposal of the radioactive waste:

Endocyte, Inc.

Signature/Date

**Printed Name** 

Christopher P. Leamon

Bionomics, Inc.

Signature/Date

**Printed Name** 

BRYAN KIRK

IRC FORM 540	Estimated burden per response to constitue to the Records Managemer Washington, DC 20503. If a means     U.S. NUCLEAR REGULATO			NAME AND FACILITY		SHIPPER LD NUMBER	7. NRC FORM 540 A		PAGE(S)		
(301)			ENDOR				NRC FORM 541 A		T PAGE(S)		n ali continuation pages)
UNIFORM LOW-LEVEL RADIOACTIVE		E	1205	Kept Ayu		COLLECTOR	NRC FORM 542 A	ND 542A	PAGE(S)	1	
WASTE MANIFEST		Whist	WI C BU DAMENT	47906	PROCESSOR	ADDITIONAL INFO	RMATION	( PAGE(S)	1 6549	je v	
	ING PAPER		USER PERMIT		SHIPMENT NUMBER	GENERATOR TYPE (Specify)	9 CONSIGNEE - Nar	ne and Facility Address		CONTACT	
EMERGENCY TELEPHONE NUMBER (Include Arca Code)			]		1	(Specify)	DUMMEK		•	DONNIC PA	RACK!!
(86)376-0193		CONTACT			TELEPHONE NUMBER (Include Area Code)		EAR CREEK		TELEPHONE NUMBER		
BIGGERIAN		NATA	ALIE CAIZH		(765)43-7175	1	CO TIN 3		(865)4R1	-0222	
· · · · · · · · · · · · · · · · · · ·			Name and Address RINSKYLT		EPAID NUMBER	SIGNATURE_Author	zad consignee acknowledg	do wiste receipt	DATE 2/11	1, ,	
IS THIS AN "EXCLUSIVE USE" SHIPMEN	PACKAGES IDENTIFIED		2818	RIASI TOM	ne Heay,	SHIPPING DATE		Yem ( 14	w/	3/4/	<u>03</u>
171 NO	ON THIS MANIFEST	6	HARRI	MAM TIN 3"	7798	3-4-03	This is to send the send	<u>-</u>	O CERTIFICAT		
DOES EPAREGULATED YES	EPA MANIFEST NUMBER		CONTACT			TELEPHONE NUMBER	-E in proper condition for	he herein-named materiuls a transportation according to	the applicable regula	tions of the Denartment of	Transportation This also
WASTE REQUIRING A MANIFEST ACCOMPANY X NO	, , , , , , , , , , , , , , , , , , ,		GAR	LY KWAKKK		(Include Area Code) (BUD) 2B2-0957	certifies that the meterials are classified, packaged, marked, and labeled and are in proper condition for intribute as described in accordance with the applicable requirements of 10 CFR Parts 20 and 81, or ex- regulators				
THIS SHIPMENT?	N/A			Authorized carrier acknowledg		DATE	AUTHORIZED SIZNA	TURK	TITLE		DATE
ii 182 bioside wanisest unumei	-		1	Benta		2-4-03	1 ~X	5	VEIRS	ંડ	2-4 33
11 U.S. DEPARTMENT OF FRAM (Including proper shipping name,	hazard class, UN ID number,	DOT LABEL	TRANSPORT PHYSICAL AND		15 INDIVIDUAL	- Company	16 TOTAL PACKAGE	17	18 TOTAL WEIGHT	19 IDENTIFICATION	
and any addition	il inforation)	"RADIOACTIVE"	INDEX	PHYSICAL AN CHEMICAL FO	RIA	RADIONUCLIDES		ACTIVITY IN SI UNITS	LSA/SCO CLASS	OR VOLUME (Use appropriate units)	NUMBER OF PACKAGE
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FUR CONSIGNEE USE ONLY

NRC FORM 540 (7-2001)

PRINTED ON RECYCLED PAPER

CONSIGNEL ORIGINAL COPY (MUST ACCOMPANY WASTE IN TRANSIT) THE THE WAY TO SEE THE PROPERTY OF THE PROPERT

# **NON-HAZARDOUS WASTE MANIFEST**

NON HAZABBOLIS		ID No		Manifest		T. Communication
NON-HAZARDOUS WASTE MANIFEST	TWCF.	€ <b>Q</b> G.		Document N	···· <mark>글</mark> 이상이라	Page 1
3. Generator's Name and Mailing Address	VODENTE			<del>                                     </del>		
12	35 KENT &	<sup>1</sup> ∪e .				
i De	EST LANGATE M	TV 4790 =		ļ		
4 Generator's Phone (755) 463 - 7	175			Ì		
5 Transporter 1 Company Name	€ US EPA ID Number	<del></del>	A. State Trai	nsporter's iD		
THIS TRANSPORT IN		TNR00000311	i	E Transport	er : Phone PGT 88	-645-
7. Transporter 2 Company Name 8.		8. US EPA ID Number		C. State Tra		
				D Transport		
Designated Facility Name and Site Address				E. State Fac	ility's ID	
PERMA-FIX 1940 NGO GTTH PU	. –				29307/107	1
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AINEWILL FL 326:	53	FLD9907110	フノー	352	<u> </u>	i-£
11. WASTE DESCRIPTION			12 C	ontainers	13	1.4
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15. Special Handling Instructions and Additional Inf	lormation	· · · · · · · · · · · · · · · · · · ·				
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16. GENERATOR'S CERTIFICATION: I hereby ce in proper condition for transport. The materials	rtriy that the contents of this	shipment are fully and accurately described by subject to federal his zardous wood	ibed and are in	ali respects		
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Printed/Typed Name		Signature			$I_{ij}J_{ij}$ $ij'$	ti. Dav yesi
Christophu I. Lean	<u>~~</u>	V Cyx	$\sim$	-	2	4 103
17. Transporter: Acknowledgement of Receipt of I	Materials					Sate
Printed Type:: Name		Signature	,		tian	tr Day Year
BRYGH KARK	_	1	لی کیلی	<b>b</b>	<u> </u>	40410
16 Transporter 2 Acknowledgement of Receipt of F	Materials					Date
Printed/Typed Name						Da
		Signature			Mar	
		Signature		<u>-</u>	Mor	
19. Discrepancy Indication Space		Signature			KER	
19. Discrepancy indication Space		Signature			KEE	
19. Discrepancy indication Space		Signature			Ма	
19. Discrepancy indication Space 20. Facility Owner or Operator Certification of rece	ipt of the waste materials co		in Item 19		<i>Mar</i>	
	ipt of the waste materials co		in item 19		Mor	
	ipt of the waste materials co		in Item 19		Mon	tr Day Yuai





July 21, 2003

Ms. Natalie Carnahan Endocyte 1205 Kent Avenue West Lafayette, IN 47906

RE: Manifest #030403 picked-up on 2/4/03

Dear Ms. Carnahan:

This is to certify that the radioactive material picked up at your facility on February 4, 2003 on manifest number 030403 has been disposed of at the Envirocare Waste Management Facility.

Please reference the following table for detailed disposal information.

Manifest Number	Container Number	Disposal Volume (ft³)	Oisposal Shipment Number	Disposal Date
030403	ED-1	.00908	T031968	5/8/03
030403	ED-2	.02334	T031968	5/8/03
030403	ED-3	.02464	T031968	5/8/03
030403	ED-4	.01037	T031968	5/8/03
030403	ED-5	.01551	T031968	5/8/03
030403	ED-6	.01909	T031968	5/8/03

If you have any questions please feel free to contact me at (865) 376-0053.

Thank vou.

Mie Hammonds

Administrative Assistant

:: File



March 10, 2003

Dear Customer,

As required by 10 CFR Part 20 (Appendix G), this letter is notification that Duratek has received the shipment recently picked up at your facility. Attached you will find a copy of your NRC 540 form, the only change from the original is in Item No. 9 "signature" which identifies that Duratek is acknowledging receipt of waste from your facility.

Please keep this with your original as well as future disposal certifications.

If you have any questions please feel free to contact me at (865) 376-0053.

" yea/ vanin

Mia Hammonds Adm. Assistant

Cc: GTS-03-003 File



-6

#### **Material Transferred From:**

Permittee Name	Endocyte, Inc.
D '44 A 1.1	1205 Kent Ave.
Permittee Address	West Lafayette, IN 47906
Permittee Phone #	765-463-7175
Permittee RSO	Christopher P. Leamon
License #	13-32212-01

Transfer Date	

Disposal Record	Quantity of Material	Activity (mCi)	Radionuclide
Dry Waste Box	+ boxes	5mci/pox	34
Liquid Scintillation Vials <sup>1</sup>	2 55 gallon drum	1 mci/drum	
Liquid Scintillation Bulk Fluid <sup>1</sup>		ymci	
Absorbed Aqueous Liquid		t otal	
Other (Specify)			

<sup>&</sup>lt;sup>1</sup> Liquid is biodegradable, non-toxic, and non-flammable

Waste based on information	taken fron	n form RS1002.	List all applicable control numbers:
060,062,07/1	077,	082	

## **Material Transferred To:**

Permittee Name	Bionomics, Inc.
D	PO Box 817
Permittee Address	Kingston, TN 37763
Permittee Phone #	865-376-0053
Contact Person	Paul Nipper or John McCormick
License #	

The material listed above was transferred from Endocyte, Inc. to Bionomics, Inc. for proper disposal of the radioactive waste:

Endocyte, Inc.

Signature/Date

**Printed Name** 

2/6-701.33

Christopher P. Leamon

Bionomics, Inc.

Signature/Date

**Printed Name** 

4-29-03

ofmono D. Alexander



APPROVED BY OMB. NO. 3190-0184

Extincts 06/31/2001

. S. NUCLEAR REGULATORY COMMISSION 5 SHIPPER - NAME AND FACILITY SHIPPER LD. NUMBER MANIFEST NUMBER PAGE(S) FIRE LORM 640 NRC FORM 540 AND 501A ENDOCTIE TOC. 1205 Komt Ave. 97906 LUEST LATAGETTE FIN. \_\_\_\_\_ PAGE(S) NRC FORM 541 AND 541A (5-1998) NOW PAGE(S) UNIFORM LOW-LEVEL RADIOACTIVE COLLECTOR NRC FORM 542 AND 542A 4-2103A MILLE PAGEIST WASTE MANIFEST PROCESSOR ADDITIONAL INFORMATION GENERATOR TYPE CONSIGNEE - Name and Facility Address SHIPPING PAPER USER PERMIT NUMBER (Specky) DONNIE Braickell Duratek 1 EMERGENCY TELEPHONE NUMBER (Include Area Code) 1570 Bon Crock Pel OAK FINGE TN 37831 SIGNATURE - Authoritied conhiging of phrowhedging wester receipt TELEPHONE NUMBER TELEPHONE NUMBER (Include Area Code) 365-376-0113 (Include Area Code) 865-481-0222 Christopher Leamon ORGANIZATION EPA I.D. NUMBER BIODOMICS, TUC. 5. CARRIER - Name and Address 05/19/03 TAGTPANEPORT 2418 ROMNE STATE HUY TNROVOW311 IS THIS AN "EXCLUSIVE USE" SHIPMENT? 3 TOTAL NUMBER OF PACKAGES IDENTIFIED SHIPPING DATE l YES ON THIS MANIFEST This is to contry that the herein-named materials are properly classified, described, packaged, marked, and labeled and are HARRIMAN, TH. 37748 4-29-03 in proper condition for transportation according to the applicable regulations of the Department of Transportation Transportation.

In proper condition for transportation according to the applicable regulations of the Department of Transportation. This site certifies that the meterials are classified, packaged, marked, and labeled and are in proper condition for transportation and NO =====> TELEPHONE NUMBER (Include Area Code) DUES EPA REGULATED EPA MANIFEST NUMBER YES GARY Kndrick disposal as described in accordance with the applicable requirements of 10 CFR Parts 20 and 51, or equivalent state WASTE REQUIRING A \$645 882-045 I NO regulations. MANIFEST ACCOMPANY DATE AUTHORIZED SIGNATURE DATE THIS SHIPMENT? 0//20/19 Salitu Sofica Il "Yes," provide Manifest Number =====> 4.24-05 ORussia 16. TOTAL WEIGHT OR VOLUME 19 IDENTIFICATION 15. INDIVIDUAL RADIONUCLIDES 18. TOTAL PACKAGE ACTIVITY IN SI UNITS 11 U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including propor shipping name, hazard class, UN ID number, and any additional information) 13. TRANSPORT 14. PHYSICAL AND CHEMICAL FORM 12. DOT LABEL TRADIOACTIVE INDEX H3 185 MB3 LSA11 N'A CADICALING MINICEIAL, LSA nos. 7, SCLID / CKIDE しじょじした 0.1.3 1/3 2 PARICOLINE MAKRIAL, LSA, MES, 18.51 Bg Nn </n SULIN/OXIDUS O. Inn 3 &. CMB. LSA11 LADIONATING MATCRING, LSA, nes, Sour Oxides N)7. KM. 18,5 mBy 4 SELIO/OXIDES 15411 Connoncine Marenine, LSA, hos. NIA NA

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	4 Generator's Phone ( 765 463.	-7175	US EPA ID Numbe:	<u> </u>			
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	7. Transporter 2 Company Name	8.	US EPA ID Number		C State Trans		
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	9. Designated Facility Name and Site Address	10	US EPA ID Number		E. State Facilit	y's ID	
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	16. GENERATOR'S CERTIFICATION: ‡ hereby ce in proper condition for transport. The materials	erity that the contents of this shipme described on this manifest are not s	ent are fully and accurately descri subject to federal hazardous wast	bed and are in . e regulations	all respects		
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. 1	20 Facility Owner or Operator, Certification of rece	ipt of the waste materials covered b	y this manifest, except as nuted:	nuten 19.			
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October 9, 2003

Ms. Mary Sue Freed Endocyte 1205 Kent Avenue West Lafayette, IN 47906

RE: Manifest #42903A picked up on 4/29/03

Dear Ms. Freed:

This is to certify that the radioactive material picked up at your facility on April, 29 2003 on manifest number 42903A has been disposed of at the Envirocare Waste Management Facility.

Please reference the following table for detailed disposal information.

Manifest Number	Container Number	Disposal Volume (ft³)	Disposal Shipment Number	Disposal Date
42903A	1	.01025	T033653	9/12/03
42903A	2	.02489	T033653	9/12/03
42903A	3	.01903	T033653	9/12/03
42903A	4	.01 <b>7</b> 57	T033653	9/12/03

If you have any questions please feel free to contact me at (865) 376-0053.

Mia Hammonds

Administrative Assistant

Cc: File



# Transfer of Radioactive Waste to Authorized Disposal Facility RS1019-7

#### **Material Transferred From:**

Permittee Name	Endocyte, Inc.
Daniel de la della de	1205 Kent Ave.
Permittee Address	West Lafayette, IN 47906
Permittee Phone #	765-463-7175
Permittee RSO	Christopher P. Leamon
License #	13-32212-01

Transfer Date			
C	 	 	 

Disposal Record	Quantity of Material	Activity (mCi)	Radionuclide
Dry Waste Box	5 boxes	·4mCi/box	3H
Liquid Scintillation Vials <sup>1</sup>	1 55 gallon drum	· 4m Ci	3H
Liquid Scintillation Bulk Fluid <sup>1</sup>	O		
Absorbed Aqueous Liquid	1.2 Kg		
Other (Specify)	frozen 1 "Hatbox"	·6mli	34

<sup>1</sup> Liquid is biodegradable, non-toxic, and non-flammable

3mli total

Waste based on information taken from form RS1002. List all applicable co	ntrol numbers:
0082,0077,0079,0071,0085,0084	

## **Material Transferred To:**

Permittee Name	Bionomics, Inc.						
Downitton Addused	PO Box 817						
Permittee Address	Kingston, TN 37763						
Permittee Phone #	865-376-0053						
Contact Person	Paul Nipper or John McCormick						
License #							

The material listed above was transferred from Endocyte, Inc. to Bionomics, Inc. for proper disposal of the radioactive waste:

Endocyte, Inc.

Signature/Date

**Printed Name** 

Christopher P. Leamon

Bionomics, Inc.

Signature/Date

**Printed Name** 

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Estimated burdon per response to comply with this information collection request; 1.17 hours. This uniform manifest is required by NRC to meet reporting requirements of Federal and State Agencies for the same transportation and disposal of low took control Forward comments regarding burden estimate to the Riccords Management Branch (T-8 F33), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, and to the Paperwork Reduction Project (3150-0164). Office of Management and burdget Washington, DC 20503. If 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. APPROVED BY OMB. NO. 3180 0164 EXPIRES 0 VALCOO 5. SHIPPER - NAME AND FACILITY SHIPPER I.D. NUMBER MANIFEST NUMBER U. S. NUCLEAR REGULATORY COMMISSION NRC FORM 640 NRC FORM 540 AND 504A PAGE(S) ENIXOCYUE PAGE(S) 1205 KENT AVO NRC FORM 541 AND 541A UNIFORM LOW-LEVEL RADIOACTIVE PAGE(S) W. LAFATVETE EN 47904 COLLECTOR NRC FORM 542 AND 542A WASTE MANIFEST PROCESSOR ADDITIONAL INFORMATION SHIPPING PAPER GENERATOR TYPE 9 CONSIGNEE - Name and Facility Address USER PERMIT NUMBER SHIPMENT NUMBER (Specify) DURATEL JONNIE PHACKET 1 EMERGENCY TELEPHONE NUMBER (Includo Area Code) 1560 REAR CREEK RY. TELEPHONE NUMBER (EGS) 376 0193 CONTACT DAIR RIDGE, TN 37831 (Inchedo Aros Codo) (765) 9/03 - 7/75 MARY SUE FREED EPA I.D. NUMBER SKINATURE - Authorized consignos acknowledging yeste regain BIONOMICS. INC. TAG TRANSPORT TAROLO 00311 3 TOTAL NUMBER OF 2 IS THIS AN "EXCLUSIVE USE" SHIPMENT? 28 18 ROANE STATE HUSY, HARRIMAN IN 37748 PACKAGES IDENTIFIED SHIPPING DATE 10 CERTIFICATION ON THIS MANIFEST 10-8-03 This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are X NO in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also TELEPHONE NUMBER OUES EPA REGULATED EPA MANIFEST NUMBER certifies that the materials are classified, packaged, marked, and labeled and are in propor condition for transportation and disposal as described in accordance with the applicable requirements of 10 CFR Parts 20 and 61, or oquivalent state YES (Include Area Code) WASTE REQUIRING A GARY KINDRICK γ NO MANIFEST ACCOMPANY ms (ed. N/A THIS SHIPMENT? AUTHORIZED SIGNATURE Assox 10.0.05 If "Yes," provide Manifest Number =====> 10-8-0. O 18 TOTAL PACKAGE ACTIVITY IN SI UNITS 11 U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information) 19 IDENTIFICATION DOT LABEL "RADIOACTIVE" LSA/SCO CLASS INDIVIDUAL RADIONUCLIDES TRANSPORT PHYSICAL AND CHEMICAL FORM NUMBER OF (Use appropriate units) PACKAGE 14.8 0,098m3 RADIOACTIVE MATERIAL EXCEPTED Ho PACIFACE LIMITED QUANTITY OF MATERIAL, 7, UN2910 14155 MBG 6.098m3 KOUD /OXINES 14.85 ドカーマ RADIOACTIVE MATERIAL EXCEPTED PACKAGE, LIMITED QUANTITY OF MARGUAL 7, UN2910 FOR CONSIGNEE USE ONLY

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NRC FORM 540 (5.1908)

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# **NON-HAZARDOUS WASTE MANIFEST**

	Pleas	se print or type (Form designed for use on elite (12	pitch) typewriter)							
		NON-HAZARDOUS	1. Generator's US EPA I	D No.			Manifest		2. Pa	ge 1
		WASTE MANIFEST					Document No	100803	of	1
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	• • •	4. Generator's Phone (765) 463 - 7	175							
		5. Transporter 1 Company Name	•	6. , US EPA ID			A. State Trans	sporter's ID		
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		in proper condition for transport. The materials des	cribed on this manifest a	re not subject to federal h	zardous waste re	gulations.	a			
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January 14, 2004

Ms. Mary Sue Freed Endocyte 1205 Kent Avenue West Lafayette, IN 47906

RE: Manifest #100803-A Picked-Up on 10/8/03

Dear Ms. Freed,

This is to certify that the radioactive material picked up at your facility October 8, 2003 on manifest number 100803-A has been disposed of at the Envirocare Waste Management Facility in Clive, Utah.

Please reference the following table for detailed disposal information.

Manifest Number	Container Number	Disposal Volume (ft <sup>23</sup> )	Disposal Shipment Number	Disposal Date
100803-A	ED-6	.00336	T035407	12/17/03
100803-A	ED-1	.00572	T035319	12/19/03
100803-A	ED-2	.00465	T035319	12/19/03
100803-A	ED-3	.00679	T035319	12/19/03
100803-A	ED-4	.00572	T035319	12/19/03
100803-A	ED-5	.00679	T035319	12/19/03

If you have any questions please feel free to contact me at (865) 376-0053.

Thank you

Mia Hammonds

Administrative Assistant

Cc: File



29-Oct-03

ENDOCYTE

MARILYN VETZEL

ENVIRONMENTAL SAFETY

1205 KENT AVE

W LAFAYETTE

IN

REF: MANIFEST NUMBER:

47906

100803

SHIPMENT NUMBER:

BIO-255

SHIPMENT DATE:

10/23/03

CERTIFICATE OF RECYCLING/MATERIALS RE-USE

ON THE ABOVE DATE, YOUR WASTE MATERIAL WAS RECEIVED AT OUR FACILITY FOR THE PURPOSE OF RECYCLING AND OR FUEL BLENDING.

THIS MATERIAL WILL BE DISPOSED OF IN FULL BY RECLAMATION OR REUSE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS.

THIS ENTIRE PROCESS IS GENERALLY COMPLETED WITHIN A 30-DAY PERIOD FROM THE DATE OF THE SHIPMENT.



October 23, 2003

Dear Customer,

As required by 10 CFR Part 20 (Appendix G), this letter is notification that Duratek has received the shipment recently picked up at your facility. Attached you will find a copy of your NRC 540 form, the only change from the original is in Item No. 9 "signature" which identifies that Duratek is acknowledging receipt of waste from your facility.

Please keep this with your original as well as future disposal certifications.

If you have any questions please feel free to contact me at (865) 376-0053.

Sincerely

Mié Hammonds Adm. Assistant

Cc: File GTS-03-018



## **Material Transferred From:**

Permittee Name	Endocyte, Inc.						
Dameittas Addussa	1205 Kent Ave.						
Permittee Address	West Lafayette, IN 47906						
Permittee Phone #	765-463-7175						
Permittee RSO	Christopher P. Leamon						
License #	13-32212-01						

Transfer Date				
Disposal Record	Quantity of Material	Activity/(mCi)	Radionuclide	] +oto(
Dry Waste Box	9 Boxes	32mci	3H (	2.88)
Liquid Scintillation Vials <sup>1</sup>	2 55 gal drum	32ma/jrum	3H (	(4)
Liquid Scintillation Bulk Fluid <sup>1</sup>	J	,mV		
Absorbed Aqueous Liquid				
Other (Specify)	1 Hattarx 2kg frozen Mile	.05 ml	3H (	(05)
Liquid is biodegradable, non-to-	cic, and non-flammable		J =	3.6 m
Waste based on information	on taken from form RS1002. List all a	applicable control	numbers:	1.01°

## **Material Transferred To:**

Permittee Name	Bionomics, Inc.
Downside of Address	PO Box 817
Permittee Address	Kingston, TN 37763
Permittee Phone #	865-376-0053
<b>Contact Person</b>	Paul Nipper or John McCormick
License #	

The material listed above was transferred from Endocyte, Inc. to Bionomics, Inc. for proper disposal of the radioactive waste:

Endocyte, Inc.		Bionomics, Inc.	
Signature/Date(	2/3/04/2001	Signature/Date	
Printed Name	Christopher P. Leamon	Printed Name	

Rev. May 15, 2001

APPROVED E

NO. 3150-0164 Estimated burden per response to comply with this information collection requirement Branch (T-6 F6), U.S. Nuclear Regulator

N°C FORM 640 U.S	shington, DC 20503. If a means  NUCLEAR REGULATO		5. SHIPPER -	NAME AND FACILITY		SHIPPER I.D. NUMBER	7. NRC FORM 540 AI		Z PAGE(S)	8. MANIFEST NUMB	
2901)			ENDO	CYTE			NRC FORM 541 A		on all continuation pages?		
UNIFORM LOW-LE	EVEL RADIOACTIV	E	1205	KENT AVE.		COLLECTOR	NRC FORM 542 A		Z PAGE(S)	1	
	MANIFEST	<del>-</del>	W. LA	FAYETTE, I	N. 47906	PROCESSOR	ADDITIONAL INFO	^	PAGE(S)		04 A
SHIPPING PA	APER		USER PERMIT	NUMBER	SHIPMENT NUMBER	GENERATOR TYPE		me and Facility Address	COVE MEDICA	CONTACT	C/7 /T
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865-376	a-0193		CONTACT		<del></del>	TELEPHONE NUMBER	ISAN BOOK	- Creek R	J		R (Include Area Code)
ORGANIZATION			Joh	n Steiche	N	(Include Area Code) 165 463-7175		tae, TN. 3		865-48	
BioNomi	$i$ $\sum \mathcal{L}_{i}$ $\sum \mathcal{L}_{i}$		6. CARRIER -	Name and Address		EPAI.D. NUMBER	SIGNATURE - Author	zed consignee acknowled	oing waste reseint	DATE	1-02.2.2
2 IS THIS AN "EXCLUSIVE USE" SHIPMENT?	3. TOTAL NUMBER OF			TRANSPORT		Th/2000003111	221	S. Th	grily waste receipt	3/11/0	J
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THIS SHIPMENT? If "Yes," provide Manifest Number				Authorized carrier acknowle		DATE	AUTHOMZED SIGNA	TI IRF	TITLE		DATE
ii res, provide manifest Number			Lan	1914	6	3.3-04	~77x			neh + RSO	2-3-04
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fanioactive MATERIAL, LSA	n.05. 7.402912	NA	NA	Souls/OXI	INGS LI 3			11.84 MB9	15A11	D.098 m 3	EDC-6
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KADIOACTIVE MISTERIAL LSA	D.O.S. 7 UN 2912	Na	UΑ	SOUD / 0x 10	PES H <sup>3</sup>		į	11,84 mBg	LSA 11	0.07843	EDC-7
	11.0.0,1		<del>                                     </del>	1000 / 2000			<del></del>	111.67 11.56	(36 //	O.C. IS M-	1800
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FOR CONSIGNEE USE ONLY	<del></del>		, , , , ,	/ / / /		<u></u>	:	11.011.09		0,0 19.1	CDC-6
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NRC FORM 540 (7-2001)

PRINTED ON RECYCLED PAPER

CONSIGNEE ORIGINAL COPY TRAILET ACCORADANIVIMACTE INITIDANICITY

Please print or type.	(Form designed for use on elite	(12-pitch)	typewriter.)
i idada binir on ribo.	(i dim designed for day of lefte	(12-011011)	typowiller.

Form Approved. OMB No. 2050-0039.

1	ONI ONWINAZANDOUS	Generator's US EPA ID No.	Manifest Document No.,	2. Page 1		the shaded areas by Federal law.
$\prod$		VASTE MANIFEST FACES Page 5030				
	3. Generator's Name and Mailing Address			A. State Ma	inifest Document	Number
	$\frac{1}{2}$	LOX KENTAVE. ILANAYENE, IN. 4	7706	B. State Ge	noretore ID	
1	4. Generator's Phone ( 7 4 4 5 -	7/75	, , , , ,	G. State Ge	ilerators ID	
Н	5. Transporter 1 Company Name	6. US EPA I	D Number	C. State Tra	ansporter's ID	
П	THE TRANSPORT	TAROOC	0.03111			1882-47
$\  \ $	7. Transporter 2 Company Name		D Number		insporter's ID	
$\prod$		<u> </u>			ters Ahone	
П	9. Designated Facility Name and Site Address	10. US EPA I	D Number	G. State Fa	cility's ID	
H	1940 AIW WT PLACE			11 5-19-2-	<b>5</b> 1	
П	GAMESVILLE FL. 3265	3 FL0986	7 : 1 671	H. Facility's	773 - 60	
11			12. Conta	iners	13. 14.	
G	11. US DOT Description (Including Proper Ship)	ping Name, Hazard Class and ID Nu	mber) No.		otal Unit antity Wt/Vol	' Waste'No.
E	a. WAS C & CAMPAGE L	1411 1. U.S. 3, 40	JF143			Dout
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R	NONTHIE COUNTY SON	TICHTICKT VIALS				
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$\ $	J. Additional Descriptions for Materials Listed	Maliners Commission Commission Commission	rein verleitet in	d	2. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	
ļ			one prilation on a	v. manding	Codes for Waste	s Listed ADOVe
1	Hall RC Exempt Se with	to early on a box of the all the	et <b>Str. Ka</b> ramet	12/2/10:19	100	*** <b>4</b>
П		TAMEDO SON	Express Exigentes only	CYKY ALEANA		
П		The second secon		والمدارسينيس وخشيريان مدايا	and of the same of the same of the same of	
	15. Special Handling Instructions and Addition					
Ш	24 Hear Emergency He.	865 376-0193				
Ш	ERG# 128					
П	16. GENERATOR'S CERTIFICATION: I hereby declare the	hat the contents of this consignment are full	and accurately describ	and above by		
Ш	proper shipping name and are classified, packed, ma	rked, and labeled, and are in all respects in	proper condition for tra	nsport by highwa	ay	
	according to applicable international and national governments of the second second in the second se	•	plume and toxicity of w	aste generated	to the degree I ha	ve determined to be
	economically practicable and that I have selected future threat to human health and the environmen	the practicable method of treatment, sto	rage, or disposal curre	ently available to	me which minimiz	es the present and
$\prod$	the best waste management method that is available			and enor to m	mininize my waste g	
Ļ	Printed/Typed Name	Signature	1/		!	Nonth Day Year
Y	Carriapher & Limon		0			- 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
TRANSPORTER	17. Transporter 1 Acknowledgement of Receip					
Ñ	King Inchis D. Alexen	Signature	100		· /	Month Day Year
P	18. Transporter 2 Acknowledgement of Receip	ot of Materials	<u> </u>	K 7	and and the same of the same o	<del></del>
Ř	Printed/Typed Name	Signature	· · · · · · · · · · · · · · · · · · ·			Month Day Year
R					ĺ	
	19. Discrepancy Indication Space			· · · · · · · · · · · · · · · · · · ·		
F						
FACI						1
Ļ	20. Facility Owner or Operator: Certification of	receipt of hazardous materials cover	ered by this manife	st except as n	oted in Item 19	
Ţ	Printed/Typed Name	Signature				Month Day Year
					ŀ	

	LAND DISPOSAL RESTRICTION & CEF  DSSI • M&EC • Perma-Fix of I	
Generator Name	ENDACTTE	Generator USEPA IC No ZN CESGE
Generator Address	1205 KENT AVE.	CHYSTIZE W.LAFAYETTE, FN 47907
State Manifest No		Manifest Dor: No 303.04

#### Instructions

- 1. In Column 1 identify all USEPA hazardous waste codes that apply to this waste shipment
- 2 in Column 2, choose the appropriate treatability group. Non-Wastewater (NWW) or Wastewater (WW)
- 3. In Column 3, enter the appropriate Subcategory, if applicable, and also enter "Contaminated Soil" or "Debtis" if the waste can be treated using one of the alternative treatment technologies provided by 268,49 (debtis).
- 4 In Column 4, circle the letter of the appropriate LDR management categories on the back of this form.
- 5. In Column 5, enter the Reference Number(s) from the LDR-UHC Constituent Table for any constituents subject to treatment in your waste stream.

#### Go to LDR-UHC Contituent Table

Manifest Line	1 USEPA HAZARDOUS WASTE CODES	2	NWW or	3 SUBCATEGORY	4. A	ном	MUS C	т тн	STE one)	BE M	IANA H	GED (Check	 oil O	nly	_	5. REFERENCE NUMBER(s) of Hazardous Constituents contained in the waste.
	Dooi	L	NWW								$\prod$	Does		is subject to		
11 A	P001 F003 F005		ww									Does Not		complies with		184,199
11.8			NWW									Does		is subject to		
11.0			ww									Does Not		complies with		
11 C			NWW									Does		is subject to		
110			ww									Does Not		complies with		
11.D			NWW			Γ						Does		is subject to		
11.0			ww			L						Does Not		complies with		

I hereby certify that all information submitted on this and all associated documents is complete and accurate to the best of my knowledge and information.

They (	VP Resimb + RSO	3-3-2004
Generator Name	Title	Date

- A. THIS RESTRICTED WASTE REQUIRES TREATMENT TO THE APPLICABLE STANDARD. This waste must be treated to the applicable performance based treatment standard set forth in 40CFR Part 268 Subpart C, 268.32. Subpart D, 268.40 or RCRA Section 3004(d) prior to land disposal.
- B THIS HAZARDOUS DEBRIS MAY BE TREATED USING THE DEBRIS ALTERNATIVE TREATMENT STANDARDS OF 40 CFR 268.45. I certify under penalty of law that I personally have examined and am familiar with the waste and that the statement above is true and that this waste meets the definition of debris and can be treated using the alternate methods specified in 40 CFR 268.45. I am aware that there are significant penalties for submitting a false certification including possibility of fine or imprisonment
- C. THIS RESTRICTED WASTE HAS BEEN TREATED TO THE APPLICABLE TREATMENT STANDARDIS: I certify under penalty of law that I personnally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR 268 Subpart D. I believe that the information I submitted is true, accurate, and complete I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment
- D THIS RESTRICTED DEBRIS HAS BEEN TREATED IN ACCORDANCE WITH 40 CFR 268.45. Lecrtify under penalty of law that the debris has been treated in accommondance with the requirements of 40 CFR 268.45. Lam aware that there are significant penalties for making false certification, including the possibility of a fine and imprisonment.
- E THIS LAB PACK DOES NOT CONTAIN ANY WASTES IDENTIFIED AT APPENDIX IV TO PART 268 It cently under penalty of law that I personally have examined and am familiar with the waste and that the statement above is true and that this lab pack will be sent to a combustion facility in compliance with the alternative treatment standards for lab packs at 40 CFR 268 42(c). I am aware that there are significant penalties for submitting a false certification including possibility of fine or imprisonment.
- F IHIS RESTRICTED WASTE HAS BEEN TREATED TO REMOVE THE HAZARDOUS CHARACTERISTIC 1 certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268 40 to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet universal treatment standards. Lam aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.
- G THIS RESTRICTED WASTE HAS BEEN TREATED TO REMOVE THE HAZARDOUS CHARACTERISTIC AND BEEN TREATED FOR UNDERLYING HAZARDOUS CONSTITUENTS. I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268 40 to remove the hazardous characteristic, and that underlying hazardous constituents, as defined in 268 48 Universal Treatment Standards. I am aware that there are significant, penalties for submitting false certification, including the possibility of fine and impresonment.
- HIS RESTRICTED WASTE IS SUBJECT TO AN EXEMPTION FROM LAND DISPOSAL (Please include the date the waste is subject to the prohibitions in Colarm 51 This waste is subject to an exemption from a prohibition on the type of land disposal method utilized for the waste (such as libit not limited to a case-by case extension under 40 CFR Pair 268.5, or an exemption under 40 CFR 268.6.
- S THIS CONTAMINATED SOIL (DOES / DOES NOT) CONTAIN LISTED HAZARDOUS WASTE AND (DOES / DOES NOT) EXHIBIT A CHARACTERISTIC OF HAZARDOUS WASTE AND (TS SUBJECT TO / COMPLIES WITH) THE SOIL TREATMENT STANDARDS AS PROVIDED BY 266 49(c) OR THE UNIVERSAL TREATMENT STANDARDS I certify under centally of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and believe that I his cent maintained and operated properly so as to comply with treatment standards specified in 40 CPR 266 49 without impermissible dilution of the promoted wastes I am aware that there are significant penalties for submitting a faise certification including the possibility of line and imprisonment.



June 22, 2004

Ms. Mary Sue Freed Endocyte 1205 Kent Ave. West Lafayette, IN 47906

RE: Manifest #30304A Picked - up on 3/3/04

Dear Ms. Freed:

This is to certify that the radioactive material picked up at your facility on March 3, 2004 on manifest number 30304A has been processed at Duratek and sent to the Envirocare Disposal Facility in Clive, Utah.

Please reference the following table for detailed disposal information.

Manifest Number	Container Number	Disposal Volume (ft³)	Disposal Shipment Number	Disposal Date
30304A	EDC-1	.00821	T042074	5/21/04
30304A	EDC-2	.01730	T042074	5/21/04
30304A	EDC-3	.00939	T042074	5/21/04
30304A	EDC-4	.00704	T042074	5/21/04
30304A	EDC-5	.01877	T042074	5/21/04
30304A	EDC-6	.01760	T042074	5/21/04
30304A	EDC-7	.02112	T042074	<b>5/</b> 21/04
30304A	EDC-8	.02112	T042074	<b>5/</b> 21/04
30304A	EDC-9	.01408	T042074	5/21/04

If you have any questions please feel free to contact me at (865) 376-0053.

Mia Hammonds

Thank you

Administrative Assistant



July 26, 2004

Ms. Mary Sue Freed Endocyte 1205 Kent Avenue West Lafayette, IN 47906

RE: Manifest #30304A picked-up on 3/3/04

Dear Ms. Freed:

This is to certify that the radioactive material picked up at your facility on March 3, 2004 on manifest number 30304A has been processed at Duratek in Oak Ridge, TN and sent for disposal at Envirocare in Clive, Utah.

Please reference the following table for detailed disposal information.

Manifest Number	Container Number	Disposal Volume (ft <sup>-3</sup> )	Disposal Shipment Number	Disposal Date
30304A	EDC-10	.00428	T042623	6/28/04

If you have any questions please feel free to contact me at (865) 376-0053.

MAIN

Thank you

Mia Hammonds

Administrative Assistant

Cc: File



March 22, 2004

Dear Customer,

As required by 10 CFR Part 20 (Appendix G), this letter is notification that Duratek has received the shipment recently picked up at your facility. Attached you will find a copy of your NRC 540 form, the only change from the original is in Item No. 9 "signature" which identifies that Duratek is acknowledging receipt of waste from your facility.

Please keep this with your original as well as future disposal certifications.

If you have any questions please feel free to contact me at (865) 376-0053.

Sincerely,

ia Hammonds
Adm. Assistant

Cc: File GTS-04-003



#### **Material Transferred From:**

Permittee Name	Endocyte, Inc.
Permittee Address	1205 Kent Ave.
	West Lafayette, IN 47906
Permittee Phone #	765-463-7175
Permittee RSO	Christopher P. Leamon
License #	13-32212-01

Transfer Date	

Disposal Record	Quantity of Material	Activity (mCi)	Radionuclide	tote
Dry Waste Box	(10) hoxes	<b>-</b> 3	3H	3mc
Liquid Scintillation Vials <sup>1</sup>	(1)55 gallon drum	٠3	3H	•3
Liquid Scintillation Bulk Fluid Other	(2) sharps containero	. 100mCi	311	• (
Absorbed Aqueous Liquid other	1) bucket carcasses	• 750g.Ci	3 <i>H</i>	.75
Other (Specify)	1.5 Kg frozen mice (+ bags total)	e250 11 6	3H	125
<sup>1</sup> Liquid is biodegradable, non-to	xic, and non-flammable	<b>—</b>		
Waste based on informati	on taken from form RS1002. List all a	applicable contro	l numbers:	4.4

Waste based on information taken from form RS1002. List all applicable control numbers: 0084,0090,

#### **Material Transferred To:**

Permittee Name	Bionomics, Inc.
Permittee Address	PO Box 817
	Kingston, TN 37763
Permittee Phone #	865-376-0053
Contact Person	Paul Nipper or John McCormick
License #	

The material listed above was transferred from Endocyte, Inc. to Bionomics, Inc. for proper disposal of the radioactive waste:

End	ocyte,	Inc.

Signature/Date

**Printed Name** 

Bionomics, Inc.

Signature/Date

Christopher P. Leamon

**Printed Name** 

NEAF ORM 540	В	IONOMICS, INC	5 SHIPPER -	NAME AND FA	CILITY		SHIPP	ERID NUMBER	7 NRC FORM 540 AF	ND 540A PAGE 1 O	F1 5	PAGE(S) 8	MANIFEST NUMBER
1			ENDOCY	ENDOCYTE					NRC 541 #ND 541		7	PAGE(S)	(Use this number on all continuation
UNIFORM LOW-LE	EVEL RADIOACTIVE		1205 KENT AVE.		1	COLLECTOR	NRC 542 :.ND 542			AGE(S)	pagés)		
WASTE N	MANIFEST IG PAPER		WEST LAFA	YETTE, IN 47	906			PROCESSOR	ADDITIONAL INFO		3		61043
i			USER PERM	IT NUMBER	SHIPMEN	T NUMBER	$\vdash$	GENERATOR TYPE		e and Facility Address		_ PAGEISI	ONTACT
1 EMERGENCY TELEPHONE NUMBER	(Include Area Code)		┨		1		X	(Specify)	DURATEK				C
į .	76-0193		CONTACT		.1		TELER	PHONE NUMBER	1560 Bear Creek	Road		-	Fred Schultz
ORGANIZATION			1	John S	Steichen		(Includen	g Area Code)	Oak Ridge, TN 3	7831			865- 481-0222
	IICS, INC		6. CARRIER -	Name and Addr	ess		EΡΔΙ	(765) 463-7175 D. NUMBER	SIGNATURE . Auser	rized consigner acknow	uladana wasta sa	C.	1TE
2 IS THIS AN EXCLUSIVE USE SHIPMENT?	2 TOTAL NUMBER OF		T.A.G. Tra				1	TNR000003111	1 2	STATE OF THE STATE	vieuging waste re	Сегрі	6/11/04
XIVES	PACKAGES IDENTIFIED ON THIS MANIFEST	12	1				ING DATE	T04242		10 CERTIF	ICATION	711 109	
NC NC	====>		Harriman,		,								aged, marked, and labeled and are
4. DOES EPA REGULATED YES	EPA MANIFEST NUMBER		CONTACT				TELEF	HONE NUMBER					artment of Transportation. This aiso
WASTE REQUIRING A X N.C. MANIFEST ACCOMPANY	10			Gary I	Kindrick		(Includin	Q Area Code)	certifies that the mate	risis are classified, packa	ged, marked, and	labeled and are in prope	er condition for transportation and
THIS SHIPMENT?	NA		SIGNATURE . A	thonzed carner a		tle receipt	DATE	865-882-0457	AUTHORIES D STONAT	in accordance with the r		CFR Parts 20 and 61, or	r equivalent state regulations.
# "Yes" provide Manifest Number =====>				P.o.	Krak.	its receipt	1	11104	COTHORIDADOSCIACI	2	VI Rosen	4 R50	6-1-04
11 U.S. DEPARTMENT OF TRANSPORT		12	13					15.		16	17	18 TOTAL WEIGHT	
Including proper shipping name hazard : and any additional informa		DOT LABEL "RADIGACTIVE"	TRANSPORT		CAL AND			INDIVIDUAL RADIONUCLIDES		TOTAL PACKAGE	LSA/SCO	OR VOLUME	NUMBER OF
Radioactive Material, LSA, N.O.S.,	7. UN2912		1		Oxides	H-3		RADIONUCLIDES		ACTIVITY IN SI UNITS	CLASS	(Use appropriate units	PACKAGE
		N/A	N/A	Solid /	Oxides					11.1 MBq	LSA II	0.098 m3	/
Radioactive Material, LSA, N.O.S.,	7. UN2912			0.114	Oxides	H-3				11.1 MBa	LSA II	0.098 m3	
		N/A	N/A	Solid /									2
Radioactive Material, LSA, N.O.S.,	7, UN2912		ì		Oxides	H-3				11.1 MBa	LSA II	0.098 m3	<u> </u>
		N/A	N/A	Solid /		1				The tribq	L3/ 11	0.030 1113	7
Radioactive Material, LSA, N.O.S.,	7. UN2912		1,0//		Oxides	H-3				11.1 MBq	LSA II	0 098 m3	
		N/A	N/A	Solid /	Oxides					11.1 WEQ	LSAII	0 090 1113	4
Radioactive Material, LSA, N.O.S., 7	7. UN2912	14//	19/4		Oxides	H-3				14.1.140	1000	0.000 0	+-7
	, 51.2512	N/A		Solid /	Oxides	11-5				11.1 MBq	LSAII	0.098 m3	
Radioactive Material, LSA, N.O.S., 7	7 LIN2912	N/A	N/A		0.:4	H-3							1 7 1
The second of th	1,0142312			Solid /	Oxides	H-3				11.1 MBq	LSAII	0.098 m3	
Radioactive Material, LSA, N.O.S., 7	7 LIN2012	N/A	N/A			-							6
11.0.0., 14.0.0., 14.0.0., 14.0.0.	, 0142312			Solid /	Oxides	H-3				11.1 MBq	LSA II	0.098 m3	-7
Radioactive Material, LSA, N O.S., 7	7 LINI2012	N/A	N/A										
Nadioactive Material, ESA, N O.S., 7	7. UN2912		İ	Solid /	Oxides	H-3				11.1 MBq	LSA II	0.098 m3	8
FOR CONSIGNEE USE ONLY		N/A	N/A			<u> </u>							
FOR CONSIGNEE USE ONLY									BIONOMICS, I	NC.			
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RC FORM 540 dioactive Material, LSA, N.O.S., 7, UNZ912, (CARCA	SSES)				(	U.S NUCLEAR REGI	JLATORY COMMISION	9 MANIFEST NUMBER (Use this number on all continuate)	
			M LOW-LEV WASTE MA SHIPPING		TIVE			6048	
								PAGE 2 OF 2	PAGE(
11 US DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name hazard class, UN ID number and any additional information)	12. DOT LABEL "RADIOACTIVE"	13 TRANSPORT INDEX	PHYS	14 ICAL AND CAL FORM	15 INDIVIDUAL PADIONUCLIDES	16. TOTAL PACKAGE ACTIVITY IN SI UNITS	17 LSA/SCO CLASS	TOTAL WEIGHT OR VOLUME (Use appropriate units)	19 IDENTIFICATION NUMBER OF PACKAGE
adioactive Material, LSA, N.O.S., 7, UN2912	N/A	N/A	Solid /	Oxides	H-3	11.1 MBq	LSAII	0.098m3	3
adioactive Material, LSA, N.O.S., 7, UN2912	N/A	N/A	Solid /	Oxides	H-3	11.1 MBq	LSA II	0.098m3	10
adioactive Material, LSA, N.O.S.,7,UN2912 (SHARPS)	N/A	N/A	Solid /	Oxides	H-3	3.7 MBq	LSA (I	0.098m3	//
idioactive Material, LSA, N.O.S.,7,UN2912 (CARCASSES)	N/A	N/A	Bolid /	Oxides	H-3	37 MBq	LSA II	0.098m3	12
				······					
	····								
	,								
					i				



September 14, 2004

Ms. Mary Sue Freed Endocyte 1205 Kent Avenue West Lafayette, IN 47906

RE: Manifest #6104B picked-up on 6/1/04

Dear Ms. Freed:

This is to certify that the radioactive material picked up at your facility on June 1, 2004 on manifes number 6104B has been processed at Duratek in Oak Ridge, TN and sent for disposal at Envirocare i Clive, Utah.

Please reference the following table for detailed disposal information.

		1	1	1
6104B	12	.02852	T043149	8/10/04
Manifest	Container	Disposal Volume (ft³)	Disposal Shipment Number	Disposal Date

If you have any questions please feel free to contact me at (865) 376-0053.

10 %

Mia Hammonds

Administrative Assistant

Cc: File



22-Jun-04

ENDOCYTE

JOHN STEICHEN

ENVIRONMENTAL SAFETY

1205 KENT AVE

WEST LAFAYETTE

IN

47906

REF: MANIFEST NUMBER:

61004

SHIPMENT NUMBER:

BIO-271

SHIPMENT DATE:

06/15/04

CERTIFICATE OF RECYCLING/MATERIALS RE-USE

ON THE ABOVE DATE, YOUR WASTE MATERIAL WAS RECEIVED AT OUR FACILITY FOR THE PURPOSE OF RECYCLING AND OR FUEL BLENDING.

THIS MATERIAL WILL BE DISPOSED OF IN FULL BY RECLAMATION OR REUSE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS.

THIS ENTIRE PROCESS IS GENERALLY COMPLETED WITHIN A 30-DAY PERIOD FROM THE DATE OF THE SHIPMENT.



June 21, 2004

Dear Customer,

As required by 10 CFR Part 20 (Appendix G), this letter is notification that Duratek has received the shipment recently picked up at your facility on **June 1**, **2004.** Attached you will find a copy of your NRC 540 form, the only change from the original is in Item No. 9 "*signature*" which identifies that Duratek is acknowledging receipt of waste from your facility.

Please keep this with your original as well as future disposal certifications.

If you have any questions please feel free to contact me at (865) 376-0053.

Sincerely

Mia Hammonds Adm. Assistant

Cc: File GTS-04-010



#### **Material Transferred From:**

Permittee Name	Endocyte, Inc.
Permittee Address	1205 Kent Ave.
Permittee Phone #	West Lafayette, IN 47906
Permittee RSO	/65-463-7175
License #	Christopher P. Leamon 13-32212-01

Transfer Date	
Date Date	9-15-64
	71-04

	71-84			
Disposal Record	Owner			
Dry Waste Box	Quantity of Material	Activity (mCi)	Radionuclide	
Liquid Scintillation Vials <sup>1</sup>	boxes	·3ea	3H	(2.1)
Liquid Scintillation Bulk Fluid (Azardens)	055 gallon dram	. 3	3 H	
Absorbed Aqueous Acting Liquid Hazardous	O 55 gallondrum	.3	3 <i>H</i>	
Other (Specify)	Tool Carlot	3 A		
Liquid is biodegradable, non-toxic	tet box frozen mice, and non-flammable	.3	31-	
Waste based on informati	- Mon-Hammidole		3#	41-1

Waste based on information taken from form RS1002. List all applicable control numbers:

#### Material Transferred To:

Permittee Name	Bionomics, Inc.
Permittee Address	PO Box 817
Permittee Phone #	Kingston, TN 37763 865-376-0053
Contact Person	
License #	Paul Nipper or John McCormick

The material listed above was transferred from Endocyte, Inc. to Bionomics, Inc. for proper disposal of the Endocyte, Inc.

Signature/Date

**Printed Name** 

Bionomics, Inc.

Signature/Date

**Printed Name** 

Rev. May 15, 2001

			Endocyte 1205 Kent A	ve				1	MEC 541 AND 141					
	EVEL RADIOACTIVE MANIFEST			tte,In. 47906		(		COLLECTOR	NRC 542 AND 542			- AADES	раджу	
	NG PAPER					,	. –	PROCESSOR	7		RONE		al 4,	Λ
1			USER PERM	AIT NUMBER	SHIPMEN	T NUMBER	+	GENERATOR TYPE	ADDITIONAL INFO	RMATION  and Facility Address	LONG	_PAGE(S)	41 AP	/+
1 EMERGENCY TELEPHONE NUMBER	(Include Area Code)		4				x	(Specify)	S. SCHOIGHEE - Nam	e and Faculty Address		CC	NTACT	
	376-0193		CONTACT				TELED	HONE NUMBER	Duratek 1560 Bear Creck	04			Fred So	chultz
ORGANIZATION				John S	Steichen		(Including	Area Code)	Oak Ridge, TN 3					
1	MICS, INC.		6 ()455/55					765-463-7175	Jan Hage, 1113	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1	(865) 48	1-0222	
2. IS THIS AN 'EXCLUSIVE USE' SHIPMENT?	2 TOTAL NUMBER OF	ſ		Name and Addr	955		1	D. NUMBER	SIGNATURE - Auth	onzed consignée acknowl	edging waste rec	eipt DA	TE .	
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l III	=====>	8	Harriman.	ne State Hig	hway		1 -	ING DATE	COURS T-TO	X43 <i>40</i> 0	10. CERTIFI		112410	1
4. DOES EPA REGULATED YES	EPA MANIFEST NUMBER		CCNTACT	TN 37748			(Q)_	15-04	This is to certify that t	the herein-named materials a	re properly classif	led, described, packaged,	marked, and labeled	and are
WASTE REQUIRING A X NO				0 1				HONE NUMBER	in proper condition for	r transportation according to	the applicable re-	udellone of the format		
MANIFEST ACCOMPANY THIS SHIPMENT?	N/A				Kindrick			(865) 882-0457	COLORES (UP) IN PANIETO	rials are classified, package I in accordange with the rego	delbas bedrem b	-1-4		
ff "Yes" provide Manifest flumber=====>			SIGNATURE - AU	Indizogomias and	SOMedging weste	recept	DATE	·	AUTHORIZED SIGNAT	THE //	TITLE	R Parts 20 and £1, or equiv	alent state regulation	18.
11 U.S. DEPARTMENT OF TRANSPOR	TATION DESCRIPTION	12	The Cold		lens	<del></del>	9-	15-04	Mark	- Vetal	#550C.	K0	1/15-/	04
(Including proper shipping name, hezerd and any additional informi		DOT LABEL	TRANSPORT		CAL AND			15. INDIVIDUAL	9	TOTAL PACKAGE	17.	18. TOTAL WEIGHT	19 IDENTIFI	
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redioactive Material, ESA, 110.5., 7	, UN 2912		i	Solid /	Oxides							0.1m3	<del> </del>	
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Signature

PRINTED ON RECYCLED PAPER

JSING SOYBEAN INK

SOY INK

Printed/Typed Name

Style CF 17 LABELMASTER ® (800) 621-5808 www.labelmaster.com

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by

EPA Form 8700-22 (Rev. 9-88) Previous editions are obsolete

Month Day

47 DAGOY

Year

his manifes except as noted in Item 19.



September 29, 2004

Dear Customer,

As required by 10 CFR Part 20 (Appendix G), this letter is notification that Duratek has received the shipment recently picked up at your facility on September 15, 2004. Attached you will find a copy of your NRC 540 form, the only change from the original is in Item No. 9 "signature" which identifies that Duratek is acknowledging receipt of waste from your facility.

Please keep this with your original as well as future disposal certifications.

If you have any questions please feel free to contact me at (865) 376-0053.

Sincerely,

Mia/Hammonds Adm. Assistant

Cc: File GTS-04-017



07-Oct-04

ENDOCYTE

MARILYNN VETZEL

ENVIRONMENTAL SAFETY

1205 KENT AVE

WEST LAFAYETTE

IN 47906

REF: MANIFEST NUMBER:

91504

SHIPMENT NUMBER:

BIO-277

SHIPMENT DATE:

09/29/04

CERTIFICATE OF RECYCLING/MATERIALS RE-USE

ON THE ABOVE DATE, YOUR WASTE MATERIAL WAS RECEIVED AT OUR FACILITY FOR THE PURPOSE OF RECYCLING AND OR FUEL BLENDING.

THIS MATERIAL WILL BE DISPOSED OF IN FULL BY RECLAMATION OR REUSE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS.

THIS ENTIRE PROCESS IS GENERALLY COMPLETED WITHIN A 30-DAY PERIOD FROM THE DATE OF THE SHIPMENT.



October 8, 2004

Dear Customer,

As required by 10 CFR Part 20 (Appendix G), this letter is notification that Duratek has received the shipment recently picked up at your facility on **September 15**, **2004**. Attached you will find a copy of your NRC 540 form, the only change from the original is in Item No. 9 "*signature*" which identifies that Duratek is acknowledging receipt of waste from your facility.

Please keep this with your original as well as future disposal certifications.

If you have any questions please feel free to contact me at (865) 220-8501.

Sincerely

Mia Hammonds Adm. Assistant

Cc: File GTS-04-017



January 12, 2005

Mr. John Steichen Endocyte Radiation Safety Dept 1205 Kent Avenue West Lafayette, IN 47906

RE: Manifest #91504A picked-up on 9/15/04

Dear Mr. Steichen,

This is to certify that the radioactive material listed below, picked up at your facility on September 15, 2004 on manifest number 91504A, has been processed at Duratek in Oak Ridge, TN and sent for disposal at Envirocare in Clive, Utah.

Please reference the following table for detailed disposal information.

Manifest Number	Container Number	Disposal Volume (ft³)	Disposal Shipment Number	Disposal Date
91504A	AN-1	.00870	T045066	12/6/04

If you have any questions please feel free to contact me at (865) 220-8501.

Thank you,

Mia Hammonds

Administrative Assistant

Cc: File



January 7, 2005

Mr. John Steichen Endocyte Radiation Safety Dept 1205 Kent Avenue West Lafayette, IN 47906

RE: Manifest #6104B picked-up on 6/1/04

Dear Mr. Steichen,

This is to certify that the radioactive material listed below, picked up at your facility on June 1, 2004 on manifest number 6104B, has been processed at Duratek in Oak Ridge, TN and sent for disposal at Envirocare in Clive, Utah.

Please reference the following table for detailed disposal information.

Manifest Number	Container Number	Disposal Volume (ft³)	Disposal Shipment Number	Disposal Date
6104B	1	.00543	T045275	12/17/04
6104B	2	.00475	T045275	12/17/04
6104B	3	.00685	T045275	12/17/04
6104B	4	.01438	T045275	12/17/04
6104B	5	.00611	T045275	12/17/04
6104B	6	.01096	T045275	12/17/04
6104B	7	.00611	T045275	12/17/04
6104B	8	.00339	T045275	12/17/04
6104B	9	.01027	T045275	12/17/04
6104B	10	.00959	T045275	12/17/04
6104B	11	.00543	T045275	12/17/04

Zionomics. Inc.

P.O. Box 817 — Kingston, TN 37763 — (865) 220-8501

If you have any questions please feel free to contact me at (865) 220-8501.

Thank you,

Mia Hammonds

Administrative Assistant

Cc: File



#### **Material Transferred From:**

Permittee Name	Endocyte, Inc.
Permittee Address	3000 Kent Ave.
refinitiee Address	West Lafayette, IN 47906
Permittee Phone #	765-463-7175
Permittee RSO	Christopher P. Leamon
License #	13-32212-01

\* 15/10/2 1/ 4/19/22

Transfer Date 4-15-05

Disposal Record	Quantity of Material	Activity (mCi)	Radionuclide
Dry Waste Box	8 Goxes (0.3~C/13.0)	2.4	3H
Liquid Scintillation Vials <sup>1</sup>	2-55 GAI (0.3 judosm)	0.6	34
Liquid Somethicker Bulk Fluid Howardow Acetonick	1-20 liter Combay	<i>ن</i> .7	<sup>5</sup> H
Liquid Santilation (Towers)		0.3	341
Other (Specify)	1 Bux	0.9	97 TC

Liquid is biodegradable, non-toxic, and non-flammable

Arimal (Accase / Freque Heaf-6-2

Waste based on information taken from form RS1002. List all applicable control numbers:

#### **Material Transferred To:**

Permittee Name	Bionomics, Inc.
Permittee Address	PO Box 817
refinitee Address	Kingston, TN 37763
Permittee Phone #	865-376-0053
Contact Person	Paul Nipper or John McCormick
License #	

The material listed above was transferred from Endocyte, Inc. to Bionomics, Inc. for proper disposal of the radioactive waste:

Endocyte, Inc.

Signature/Date

**Printed Name** 

Christopher P. Leamon

Bionomics, Inc.

Signature/Date

Printed Name

1 m 1 m 1 m 1 m 1 m 1 m 1 m 1 m 1 m 1 m		Professors	Endocyte	AMÉ AND FA :	IUT)		SHIP	EER LD HOMBER	THR J FORM \$40 AUE 1/20: 541 AUD 541 A	5404	FADE 1	· <del></del>	- 1	e filology (p. 1945). Nambar on all contenuation
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	IG PAPER								41705					
			USER PERM	MIT NUMBER	SHIPMEN	IT NUMBER		GENERATOR TYPE Report	o condiditE flame	and Facility Address			16437	-
1 EMERGENCY TELEPHONE NUMBER	(Include Area Code)		1				'		Duratek, Inc.					nie Brackette
(865) 2	20-8520		CONTROL		•			EPHONE NUMBER	1560 Bear Creek F Oak Ridge, TN 37				ļ	DIMBER I. S
⊕94NIZATION	20-0320		-	Marilyr	n Vetzel		1	(765) 463-7175	Oak Pidge, 114 37	0.51			(865	5) 481-0222
	MICS INC		5 CAPPIER - Na	me and Address			EPA	A LO NUMBER	SIGNATURE - Authorize		ging waste receipt		D 4 18	
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141	====>	10	Harriman,	TN 37748			-	4/18/05	<b>⊣</b>				ರ ೧.೩೬ಕರ ಮುದ್ದಿಗಳಿಕಾದವರ	
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		UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's U IND981		0 0 6 Doc	nifest sument No.	2. F	. I lis not		n the shaded areas d by Federal law.
	3.		End <b>o</b> byte 205 Kent Ave	eriue			A. S	tate Manifest D	ocumen	t Number
	4		Vest Lafayett		47906		B. S	tate Generator	s ID	
	_	Transporter 1 Company Name		6. U	S EPA ID Numb	per .	c. s	tate Transporte	r's ID	
	_	T.A.G. Transport			00003			ransporter's Ph		(865)882-0457
	7.	Transporter 2 Company Name	+	8. U	S EPA ID Numb	er	_	tate Transporte		
	9	Designated Facility Name and Site Addres		10. LJ	S EPA ID Numb	er	<del></del>	ransporter's Ph tate Facility's II		· · · · · · · · · · · · · · · · · · ·
$\ \cdot\ $		Designated Facility Name and Site Addres Ferma-Fix	•		o er monding	,01	4. 0	FLD 980		07/
		1940 NW 67th Place Gainesville, FL 32653		FLD9	80711	071	H. F	acility's Phone	373-60	
G		. US DOT Description (Including Proper Ship			d ID Number)	12. Conta	Type	13. Total Quantity	14. Unit Wt/Vol	
N	a.	PG II (Contains Toluene/Xv		71V 1883						D001/F003 F005
R					55	001	DW	0000	7 G	1 000
T	b.	RQ,Waste Flammable Liquid	l, n.o.s., 3, Ur	n1993, II						D001/F003
R		X (Acetonitrile/Methanol)					- A	1	<b>G</b>	
$\  \ $	   c.	Non-RCRA, NRC-Exempt So	intillation Vial	s	54	007	1	00009	<b>-</b>	
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	J.	Additional Descriptions for Materials Listed 11a. NRC-Exempt Scintillation Vials	Above . Profile# 001	35 <b>6</b>			K. Ha	ndling Codes for	or Waste	es Listed Above
		11b. NRC-Exempt Scintillation Fluid	. Profile# 001	1355						
		11c. Profile# 00551						<i>i i</i>		
	15	Chariel Handling Instructions and Addition	- al Information				<u>S01</u>	<u>                                     </u>		
	'3	Special Handling Instructions and Addition 24 Hour Emergency # (865) 220-8	520							
	1	ERG#128								
П	16			<del> </del>	<del></del>					· · · · · · · · · · · · · · · · · · ·
	טי	GENERATOR'S CERTIFICATION: I hereby declare proper shipping name and are classified, packed, m	arked, and labeled,	and are in all re						
$\ \cdot\ $	ļ	according to applicable international and national go If I am a large quantity generator, I certify that I	have a program in	place to redu	ce the volume and	d toxicity of v	vaste ge	enerated to the de	gree I ha	ave determined to be
		economically practicable and that I have selecte future threat to human health and the environme	d the practicable m nt; <b>OR</b> , if I am a s	nethod of treat small quantity g	ment, storage, or enerator, I have m	disposal curr rade a good	ently ava faith effo	ailable to me whi ort to minimize m	ch minimi y waste g	izes the present and generation and select
	<u> </u>	Printed/Typed Name	e to me and that I c		paturé /	7-	/-	1		Month, Day , Year
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S	tyle C	F 17 LABELMASTER ® (800) 621-5808 www.labelmaster.com	n				EPA F	Form 8700-22 (Rev.)	9-68   Previ	ious editions are obsolete

# Cenerator Name Endocyte Generator Address 1205 Kent Avenue State Manifest No. LAND DISPOSAL RESTRICTION & CERTIFICATION FORM DSSI • M&EC • Perma-Fix of Florida Generator USEPA ID No. IND982611006 West Lafayette, IN 47906 Manifest Doc. No. 41855

#### instructions

- 1 In Column 1 identify all USEPA hazardous waste codes that apply to this waste shipment.
- 2 In Column 2, choose the appropriate treatability group: Non-Wastewater (NWW) or Wastewater (WW)
- 3 In Column 3, enter the appropriate Subcategory, if applicable, and also enter "Contaminated Soil" or "Debns" if the waste can be treated using one of the alternative treatment technologies provided by 268 49(c) (soil) or 268 45 (debris).
- 4 In Column 4, place an "x" in the block that corresponds to the appropriate LDR management category described at the bottom of this form
- 5 In Column 5, enter the Reference Number(s) from the LDR-UHC Constituent Table for any constituents subject to treatment in your waste stream

Go to LDR-UHC Contituent Table

Manifest Line	1. USEPA HAZARDOUS WASTE	2.	NWW or		4.	HOW	W MUST THE WASTE BE MANAGED (Check one)							5. REFERENCE NUMBER(s) of Hazardous Constituents			
item#	CODES		ww	3. SUBCATEGORY	A	В	С	D	E	F	G	Η,		Soil Only			contained in the waste
11.A	D001, F003, F005	Χ	NWW	High TOC	x								Does			is subject to	
	2001,1003,1003		ww	riigii 100	^								Does Not			complies with	
11.B	D001, F003	Х	NWW	High TOC	х								Does			is subject to	
11.6	5001,1003		ww	night too	Ŷ				L				Does Not			complies with	
11.C			NWW										Does			is subject to	
17.0			ww	_									Does Not			complies with	
11.D			NWW										Does			is subject to	
17.0			ww										Does Not			complies with	

I hereby certify that:	all information submitted on this a	and all associated documents is cor	mplete and accurate to the	e best of my kn	owledge and information.
	(V)		1_0_ 1 .	0	
Marila	///tal	Kesanh	HSOC. HSST	150	4/18/05
Generator Name	18	Title			Date

- A. <u>THIS RESTRICTED WASTE REQUIRES TREATMENT TO THE APPLICABLE STANDARD</u>. This waste must be treated to the applicable performance based treatment standard set forth in 40CFR Part 268 Subpart C, 268.32, Subpart D, 268.40 or RCRA Section 3004(d) prior to land disposal.
- B. THIS HAZARDOUS DEBRIS MAY BE TREATED USING THE DEBRIS ALTERNATIVE TREATMENT STANDARDS OF 40 CFR 268.45. I certify under penalty of law that I personally have examined and am familiar with the waste and that the statement above is true and that thiswaste meets the definition of debris and can be treated using the alternate methods specified in 40 CFR 268.45. I am aware that there are significant penalties for submitting a false certification including possibility of fine or improsonment.
- C. THIS RESTRICTED WASTE HAS BEEN TREATED TO THE APPLICABLE TREATMENT STANDARD(S). I certify under penalty of law that I personnally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR 268 Subpart D. I believe that the information I submitted is true, accurate, and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.
- D. THIS RESTRICTED DEBRIS HAS BEEN TREATED IN ACCORDANCE WITH 40 CFR 268.45. I certify under penalty of law that the debris has been treated in accordance with the requirements of 40 CFR 268.45. I am aware that there are significant penalties for making false certification, including the possibility of a fine and imprisonment.
- E. THIS LAB PACK DOES NOT CONTAIN ANY WASTES IDENTIFIED AT APPENDIX IV TO PART 268. I certify under penalty of law that I personally have examined and am familiar with the waste and that the statement above is true and that this lab pack will be sent to a combustion facility in compliance with the alternative treatment standards for lab packs at 40 CFR 268.42(c). I am aware that there are significant penalties for submitting a false certification including possibility of fine or imprisonment.
- F. <u>THIS RESTRICTED WASTE HAS BEEN TREATED TO REMOVE THE HAZARDOUS CHARACTERISTIC.</u> Lertify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet universal treatment standards. Lam aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment
- G. THIS RESTRICTED WASTE HAS BEEN TREATED TO REMOVE THE HAZARDOUS CHARACTERISTIC AND BEEN TREATED FOR UNDERLYING HAZARDOUS CONSTITUENTS I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268 40 to remove the hazardous characteristic, and that underlying hazardous constituents, as defined in 268.48 Universal Treatment Standards. I am aware that there are significant, penalties for submitting false certification, including the possibility of fine and improsonment.
- H. THIS RESTRICTED WASTE IS SUBJECT TO AN EXEMPTION FROM LAND DISPOSAL. (Please include the date the waste is subject to the prohibitions in Column 5) This waste is subject to an exemption from a prohibition on the type of land disposal method utilized for the waste (such as, but not limited to, a case-by-case extension under 40 CFR Part 268.5, or an exemption under 40 CFR 268.6
- S. THIS CONTAMINATED SOIL (DOES / DOES NOT) CONTAIN LISTED HAZARDOUS WASTE AND (DOES / DOES NOT) EXHIBIT A CHARACTERISTIC OF HAZARDOUS WASTE AND (IS SUBJECT TO / COMPLIES WITH) THE SOIL TREATMENT STANDARDS AS PROVIDED BY 268 49(c) OR THE UNIVERSAL TREATMENT STANDARDS. I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and believe that if his been maintained and operated properly so as to comply with treatment standards specified in 40 CFR 268.49 without impermissible dilution of the prohibited wastes. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.



09-May-05

ENDOCYTE MARILYNN VETZEL **ENVIRONMENTAL SAFETY** 1205 KENT AVE WEST LAFAYETTE IN

47906

REF: MANIFEST NUMBER:

41805

SHIPMENT NUMBER:

BIO-290

SHIPMENT DATE:

05/04/05

CERTIFICATE OF RECYCLING/MATERIALS RE-USE

ON THE ABOVE DATE, YOUR WASTE MATERIAL WAS RECEIVED AT OUR FACILITY FOR THE PURPOSE OF RECYCLING AND OR FUEL BLENDING.

THIS MATERIAL WILL BE DISPOSED OF IN FULL BY RECLAMATION OR REUSE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS.

THIS ENTIRE PROCESS IS GENERALLY COMPLETED WITHIN A 30-DAY PERIOD FROM THE DATE OF THE SHIPMENT.



May 10, 2005

Dear Valued Customer,

As required by 10 CFR Part 20 (Appendix G), this letter is notification that Duratek has received the shipment recently picked up at your facility on **April 18, 2005**. Attached you will find a copy of your NRC Form 540, the only change from the original is in Item No. 9 "signature" which identifies that Duratek is acknowledging receipt of waste from your facility.

Please keep this with your original, as well as future disposal certifications.

If you have any questions please feel free to contact me at (865) 220-8501.

Sincerely,

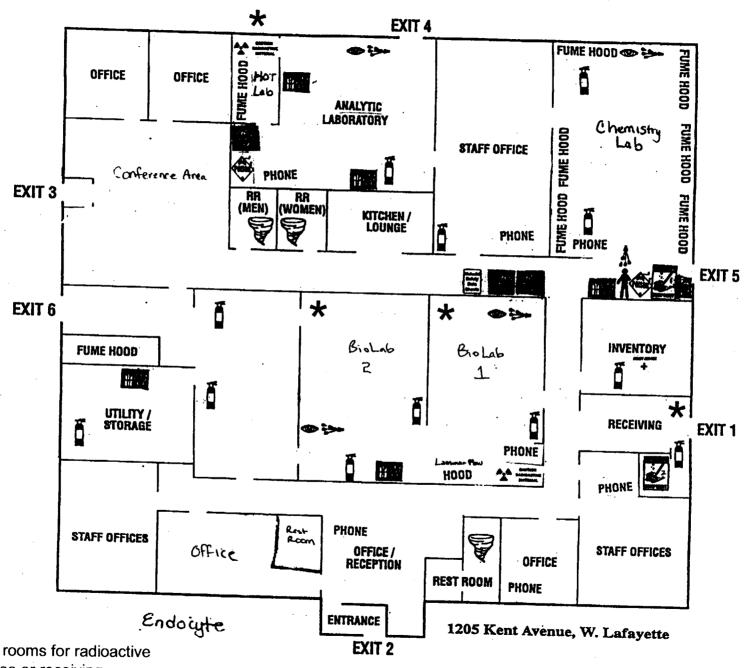
Mia Hammonds, Adm. Assistant

Bionomics, Inc.

Cc: File GTS-05-012

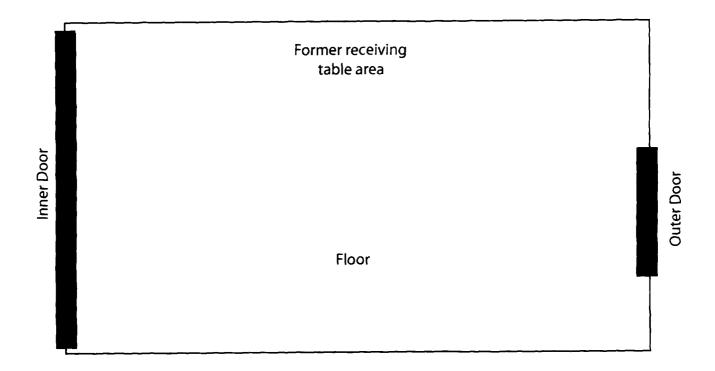
## RAM Transferred to Other Approved/Licensed Facilities

## Detailed Maps of Wipe Tested Areas

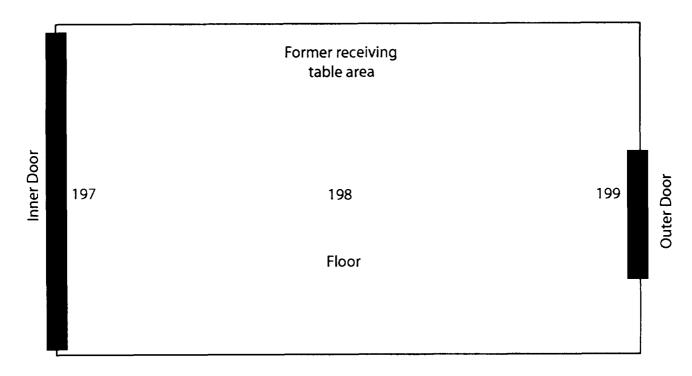


★ Approved rooms for radioactive material use or receiving

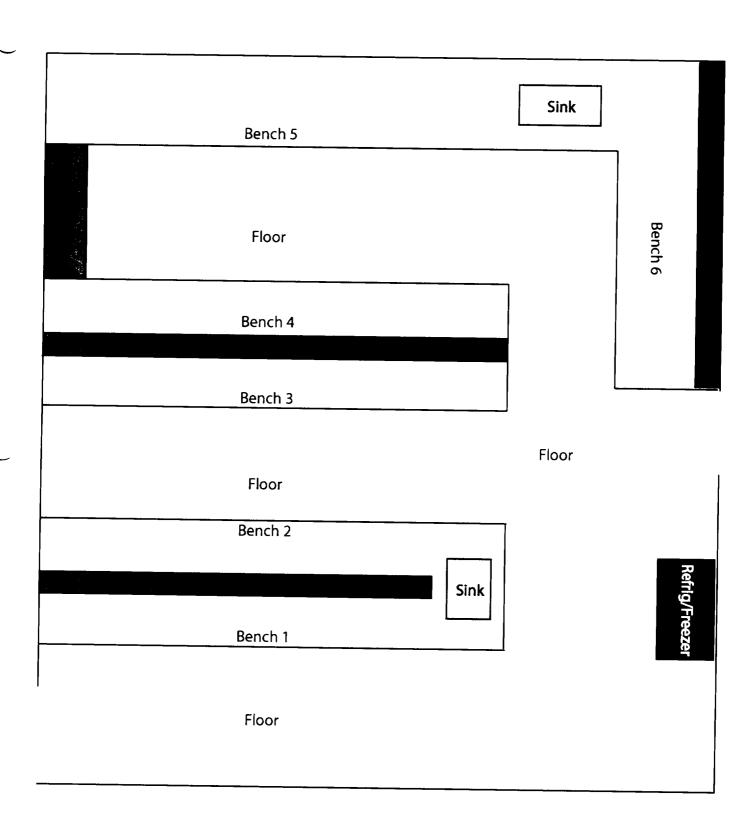
## Recieving Hallway

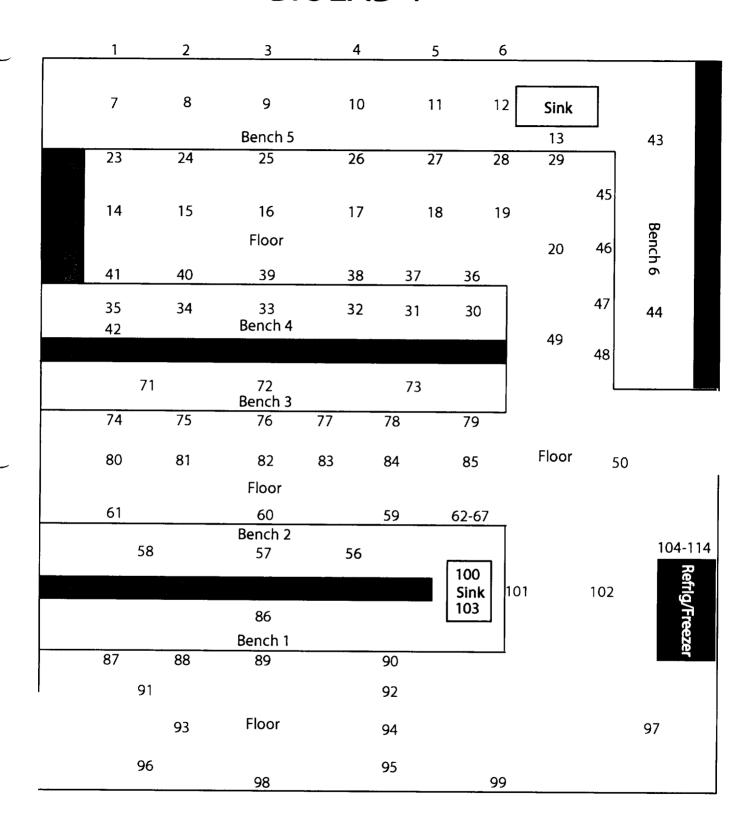


## Recieving Hallway

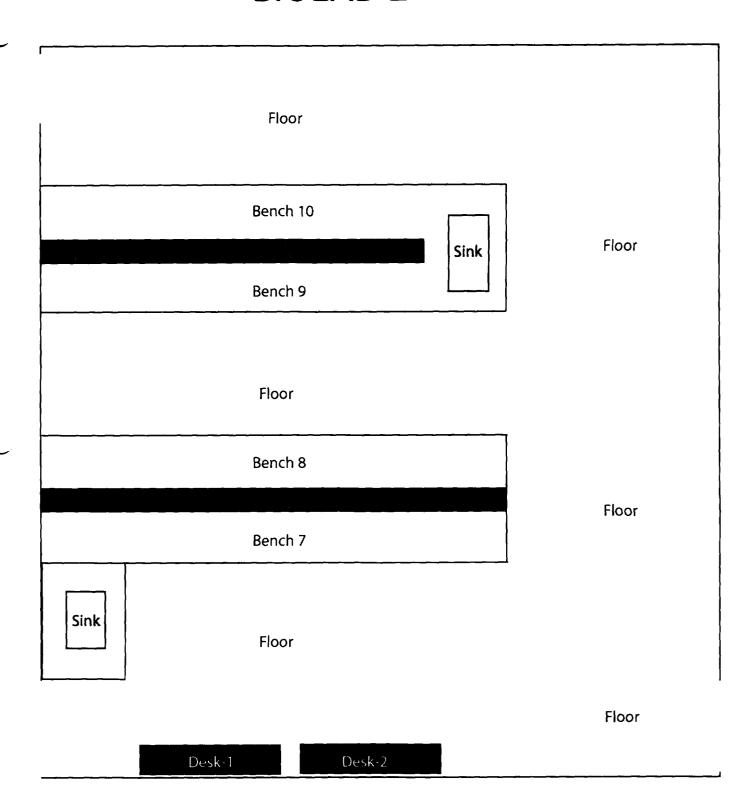


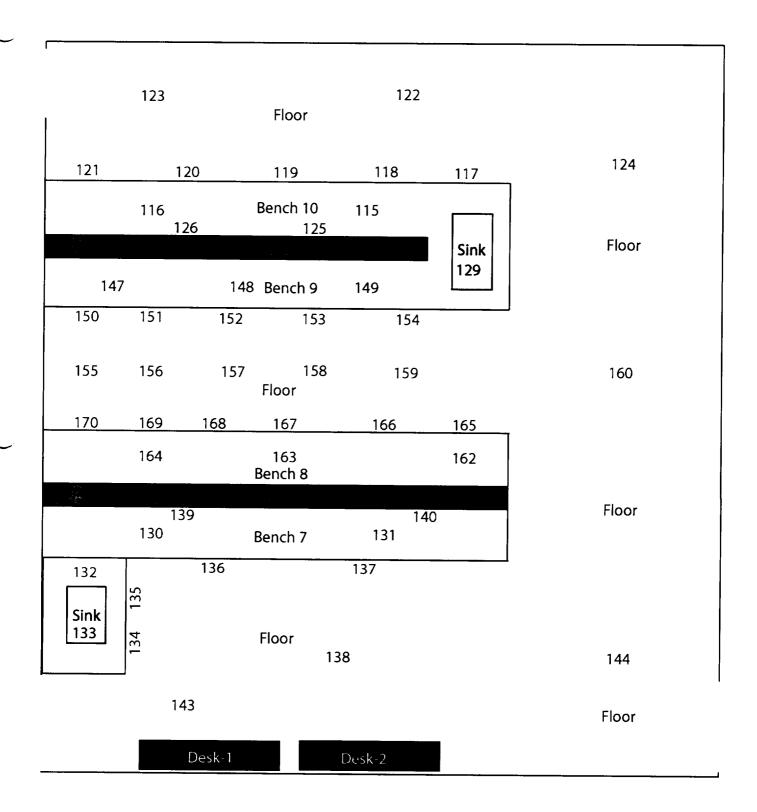
Red Numbers = wipe tested areas





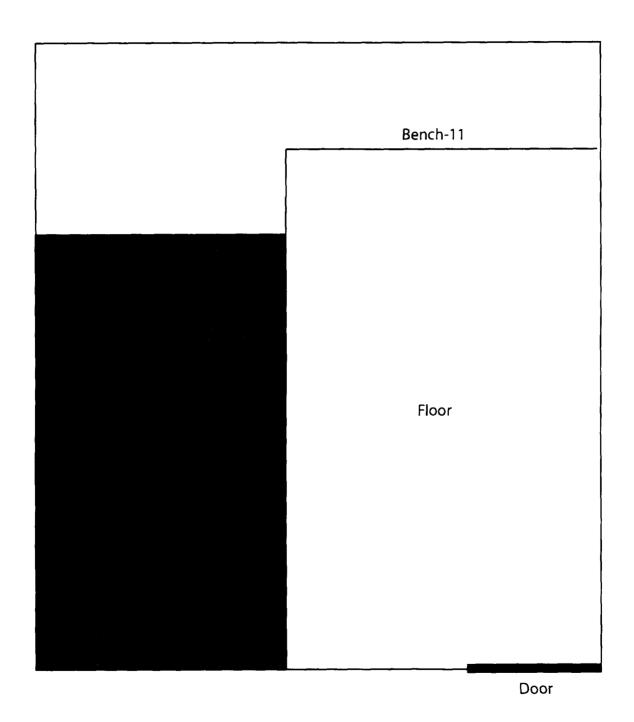
Red Numbers = wipe tested areas



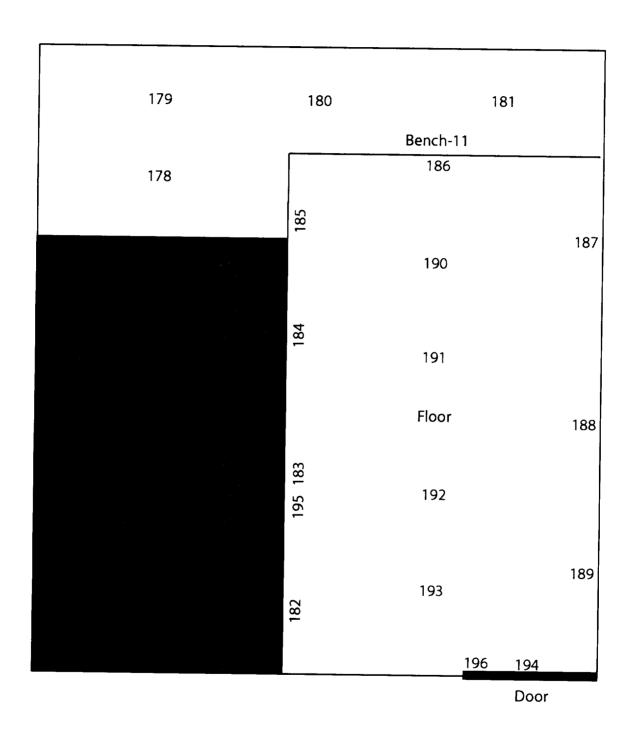


Red Numbers = wipe tested areas

## Hotlab



#### Hotlab



Red Numbers = wipe tested areas

## **Spreadsheet Summary of Wipe Test Results**

Endocyte Inc. Final Wipe Tests for 1205 Kent Ave. West Lafayette, IN Facility

Sample	Internal ID	Room	Item that was wiped	Initial Wipe	Second Wipe
Number	Number			Test (DPM) 4/26/2005	Test (DPM) 5/2/2005
Background					45
1	CL-1	Biolab 1	Wall-5	38	
2	CL-2	Biolab 1	Wall-5	38	
3	CL-3	Biolab 1	Wall-5	36	
44	CL-4	Biolab 1	Wall-5	35	
5	CL-5	Biolab 1	Wall-5	41	
6	CL-6	Biolab 1	Wall-5	33	
7	CL-7	Biolab 1	Benchtop-5	42	
9	CL-8	Biolab 1	Benchtop-5	44	
10	CL-9 CL-10	Biolab 1	Benchtop-5	45	
11	CL-10	Biolab 1 Biolab 1	Benchtop-5 Benchtop-5	46 35	
12	CL-12	Biolab 1	Benchtop-5	41	
13	CL-13	Biolab 1	Benchtop-5 + sink	41	
14	CL-14	Biolab 1	Floor	100	
15	CL-15	Biolab 1	Floor	68	
16	CL-16	Biolab 1	Floor	66	
17	CL-17	Biolab 1	Floor	52	
18	CL-18	Biolab 1	Floor	59	
19	CL-19	Biolab 1	Floor	45	
20	CL-20	Biolab 1	Floor	59	
21	CL-21	Biolab 1	Wall shelving	67	
22	CL-22	Biolab 1	Wall shelving	92	
23	CL-23	Biolab 1	Cabinets-5	39	
24	CL-24	Biolab 1	Cabinets-5	37	
25	CL-25	Biolab 1	Cabinets-5	26	
26	CL-26	Biolab 1	Cabinets-5	87	
27	CL-27	Biolab 1	Cabinets-5	38	
28	CL-28	Biolab 1	Cabinets-5	39	
29	CL-29	Biolab 1	Cabinets-5	37	
30	CL-30	Biolab 1	Benchtop-4	67	
31	CL-31	Biolab 1	Benchtop-4	44	
32	CL-32 CL-33	Biolab 1	Benchtop-4	51	
33	CL-33	Biolab 1 Biolab 1	Benchtop-4	56	
35	CL-35	Biolab 1	Benchtop-4 Benchtop-4	52 64	
36	CL-36	Biolab 1	Cabinets-4	39	
37	CL-37	Biolab 1	Cabinets-4	34	
38	CL-38	Biolab 1	Cabinets-4	37	
39	CL-39	Biolab 1	Cabinets-4	42	
40	CL-40	Biolab 1	Cabinets-4	36	
41	CL-41	Biolab 1	Cabinets-4	40	
42	CL-42	Biolab 1	Cupsink	35	
43	NP-1	Biolab 1	Benchtop-6	70	
44	NP-2	Biolab 1	Benchtop-6	55	
45	NP-3	Biolab 1	Cabinets-6	65	
46	NP-4	Biolab 1	Cabinets-6	58	
47	NP-5	Biolab 1	Cabinets-6	72	
48	NP-6	Biolab 1	Cabinets-6	38	
49	NP-7	Biolab 1	Floor	124	
50	NP-8	Biolab 1	Floor	76	
51 52	NP-9 NP-10	Biolab 1	Cabinets-6/wall	58	
53	NP-10 NP-11	Biolab 1	Cabinets-6/wall Cabinets-6/wall	51	
54	Rad-1	Biolab 1 Biolab 1	Shelf/Bench-2	59 96	
55	Rad-2	Biolab 1	Shelf/Bench-2	114	
56	Rad-3	Biolab 1	Benchtop-2	201	48
57	Rad-4	Biolab 1	Benchtop-2	348	43
58	Rad-5	Biolab 1	Benchtop-2	64	
59	Rad-6	Biolab 1	Cabinets-2	71	
60	Rad-7	Biolab 1	Cabinets-2	78	
61	Rad-8	Biolab 1	Cabinets-2	85	
62	Rad Drawer-1	Biolab 1	Inner cabinet drawer-2	80	
63	Rad Drawer-2	Biolab 1	Inner cabinet drawer-2	55	

Endocyte Inc. Final Wipe Tests for 1205 Kent Ave. West Lafayette, IN Facility

Sample Number	Internal ID Number	Room	Item that was wiped	Initial Wipe Test (DPM)	Second Wipe Test (DPM)
64	Rad Drawer-3	Biolab 1	Inner cabinet drawer-2	39	
65	Rad Drawer-4	Biolab 1	Inner cabinet drawer-2	30	
66	Rad Drawer-5	Biolab 1	Inner cabinet drawer-2	44	
67	Rad Drawer-6	Biolab 1	Inner cabinet drawer-2	45	
68	JR-1	Biolab 1	Shelf/Bench-3	37	
69	JR-2	Biolab 1	Shelf/Bench-3	33	
70	JR-3	Biolab 1	Shelf/Bench-3	44	
71	JR-4	Biolab 1	Benchtop-3	40	
72	JR-5	Biolab 1	Benchtop-3	69	
73 74	JR-6	Biolab 1	Benchtop-3	134	
75	JR-7 JR-8	Biolab 1	Cabinets-3	48	
76	JR-9	Biolab 1 Biolab 1	Cabinets-3	47	
77	JR-10	Biolab 1	Cabinets-3 Cabinets-3	41	
78	JR-11	Biolab 1		46	
79	JR-12	Biolab 1	Cabinets-3 Cabinets-3	53	
80	JR-13	Biolab 1	Floor	70	
81	JR-14	Biolab 1	Floor	51	
82	JR-15	Biolab 1	Floor	114	
83	JR-16	Biolab 1	Floor	87	
84	JR-17	Biolab 1	Floor	81	
85	JR-18	Biolab 1	Floor	70	
86	M-1	Biolab 1	Benchtop-1	50	
87	M-2	Biolab 1	Cabinets-1	32	
88	M-3	Biolab 1	Cabinets-1	52	
89	M-4	Biolab 1	Cabinets-1	52	
90	M-5	Biolab 1	Cabinets-1	31	
91	M-6	Biolab 1	Floor	42	
92	M-7	Biolab 1	Floor	40	
93	M-8	Biolab 1	Floor	59	
94	M-9	Biolab 1	Skipped Number	n/a	
95	M-10	Biolab 1	Floor	43	
96	M-11	Biolab 1	Floor	39	
97	M-12	Biolab 1	Floor	58	
98	M-13	Biolab 1	Walls	47	
99	M-14	Biolab 1	Walls	43	
100	TC Sink	Biolab 1	Tissue culture sink	101	91
101	Sink cabinets	Biolab 1	Tissue culture sink cabinets	92	
102	Sink floor	Biolab 1	Floor	137	
103	Sink handles	Biolab 1	Tissue culture sink handles	36	
104	FRZ outer	Biolab 1	Outer freezer	64	
105	FRZ inner FRZ inner door	Biolab 1	Inner freezer	187	
106	Refrig outer	Biolab 1	Freezer inner door	205	42
107	Refrig inner door	Biolab 1 Biolab 1	Refrigerator outer Refrigerator inner door	95 133	41
109	Refrig inner shelf 1	Biolab 1	Refrigerator inner shelf-1	64	41
110	Refrig inner shelf 2	Biolab 1	Refrigerator inner shelf-2	77	
111	Refrig inner shelf 3	Biolab 1	Refrigerator inner shelf-3	51	
113	Refr floor	Biolab 1	Floor by refrigerator	57	
114	Refrig shelf-4	Biolab 1	Refrigerator inner shelf-4	30	
115	CL-60	Biolab 2	Benchtop-10	52	
116	CL-61	Biolab 2	Benchtop-10	53	
117	CL-62	Biolab 2	Cabinets-10	35	
118	CL-63	Biolab 2	Cabinets-10	34	
119	CL-64	Biolab 2	Cabinets-10	30	
120	CL-65	Biolab 2	Cabinets-10	44	
121	CL-66	Biolab 2	Cabinets-10	39	
122	CL-67	Biolab 2	Floor	48	
123	CL-68	Biolab 2	Floor	71	
124	CL-69	Biolab 2	Floor	79	
125	CL-70	Biolab 2	Cupsink 9/10	58	
126	CL-71	Biolab 2	Cupsink 9/10	34	
127	CL-72	Biolab 2	Bottom shelf 9/10	36	
128	CL-73	Biolab 2	Top shelf 9/10	66	
129	CL-74	Biolab 2	Sink 9/10	31	

Endocyte Inc. Final Wipe Tests for 1205 Kent Ave. West Lafayette, IN Facility

Sample Number	Internal ID Number	Room	Item that was wiped	Initial Wipe Test (DPM)	Second Wipe Test (DPM)
130	CL-75	Biolab 2	Benchtop-7	93	
131	CL-76	Biolab 2	Benchtop-7	53	
132	CL-77	Biolab 2	Benchtop-7	60	
133	CL-78	Biolab 2	Sink-7	46	
134	CL-79	Biolab 2	Cabinets-7	43	
135	CL-80	Biolab 2	Cabinets-7	41	
136	CL-81	Biolab 2	Cabinets-7	37	
137	CL-82	Biolab 2	Cabinets-7	51	
138	CL-83	Biolab 2	Floor	75	<u></u> -
139	CL-84	Biolab 2	Cupsink 7/8	36	
140	CL-85	Biolab 2	Cupsink 7/8	43	
141	CL-86	Biolab 2	Bottom shelf 7/8	46	
142	CL-87	Biolab 2	Top shelf 7/8	64	
143	CL-88	Biolab 2	Floor	154	
144	CL-89	Biolab 2	Floor	76	
145	CL-90	Biolab 2	Desk-1	40	
146	CL-91	Biolab 2	Desk-2	150	
147	J-21	Biolab 2	Benchtop-9	38	
148	J-22	Biolab 2	Benchtop-9	44	
149	J-23	Biolab 2	Benchtop-9	47	
150	J-24	Biolab 2	Cabinets-9	41	
151	J-25	Biolab 2	Cabinets-9	39	
152	J-26	Biolab 2	Cabinets-9	27	
153	J-27	Biolab 2	Cabinets-9	35	
154	J-28	Biolab 2	Cabinets-9	49	
155	J-29	Biolab 2	Floor	42	
156	J-30	Biolab 2	Floor	59	
157	J-31	Biolab 2	Floor	86	
158	J-32	Biolab 2	Floor	73	
159	J-33	Biolab 2	Floor	43	
160	J-34	Biolab 2	Floor	38	
161	J-35	Biolab 2	Skipped number	n/a	
162	J-36	Biolab 2	Benchtop-8	146	
163	J-37	Biolab 2	Benchtop-8	41	
164	J-38	Biolab 2	Benchtop-8	1514	50
165	J-39	Biolab 2	Cabinets-8	41	
166	J-40	Biolab 2	Cabinets-8	38	
167	J-41	Biolab 2	Cabinets-8	39	
168	J-42	Biolab 2	Cabinets-8	62	<del>,</del> .
169 170	J-43 J-44	Biolab 2	Cabinets-8	48	
171		Biolab 2	Cabinets-8	34	
172	LX-1 LX-2	Hotlab	Hood	55	
173	LX-2	Hotlab	Hood	67	
174	LX-4	Hotlab Hotlab	Hood inner wall	54	
175	LX-5	Hotlab	Hood inner wall Hood inner wall	61	
176	LX-6	Hotlab		44	
177	LX-7	Hotlab	Hood Hood Hood inner wall	42	
178	LX-8	Hotlab	Benchtop-11	77	
179	LX-9	Hotlab	Benchtop-11	52	
180	LX-10	Hotlab	Benchtop-11	57	
181	LX-10	Hotlab	Benchtop-11	56	
182	LX-12	Hotlab	Cabinets-11	88	
183	LX-13	Hotlab	Cabinets-11	66	
184	LX-14	Hotlab	Cabinets-11	72	·
185	LX-15	Hotlab		69	
186	LX-16		Cabinets-11		06
187	LX-16	Hotlab Hotlab	Cabinets-11 Wall	123 61	86

Endocyte Inc. Final Wipe Tests for 1205 Kent Ave. West Lafayette, IN Facility

Sample Number	Internal ID Number	Room	Item that was wiped	Initial Wipe Test (DPM)	Second Wipe Test (DPM)
188	LX-18	Hotlab	Wall	56	
189	LX-19	Hotlab	Wall	68	
190	LX-20	Hotlab	Floor	562	86
191	LX-21	Hotlab	Floor	189	
192	LX-22	Hotlab	Floor	125	
193	LX-23	Hotlab	Floor	81	
194	LX-24	Hotlab	Door	70	
195	LX-25	Hotlab	Inside Cabinets-11	60	
196	LX-26	Hotlab	Door knob	45	
197	Rec-1	Receiving Hallway	Receiving Floor and Inner Door	42	
198	Rec-2		Receiving Floor plus Under table	43	
199	Rec-3		Receiving Floor and Outer Door	53	

## Records of Latest Instrument Calibration

SYSTEM NORMALIZED C14 IPA DATA PROCESSED - 30-Mar-2005 13:55 C14 Eff (0-156 keV) = 96.39 %H3 IPA DATA PROCESSED - 30-Mar-2005 13:56 H3 Eff (0-18.6 keV) = 63.79 %BKG IPA DATA PROCESSED - 30-Mar-2005 14:57 Bkg (0-18.6 keV) = 17.47 cpmBkg (0-156 keV) = 24.77 cpmC14 E<sup>2</sup>/B (1-156 keV) = 492.24 $H3 = E^{*}2/B (1-18.5 \text{ keV}) = 234.59$ 

<u>31 Mar 2005</u> 06:25 CALIBRATION REPORT Page #1 Packard Instrument Company %RESOLUTION( I-129 ): 22.0 CALIBRATION HIGH VOLTAGE: 2259 CHI SQUARE (99% CONFIDENCE RANGE = 7.63 - 36.19): Counts: Run # 1 - 4 32064 32082 32099 32227 Run # 5 - 8 32173 32204 31687 32069 Run # 9 - 12 32053 32219 32325 31992 Run #13 - 16 31874 32027 31960 32293 Run #17 - 20 32172 31984 31977 31810 Chi Square Mean Std Dev %CV 15.28 32065

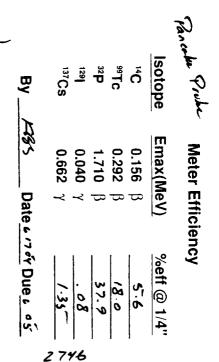
160.6

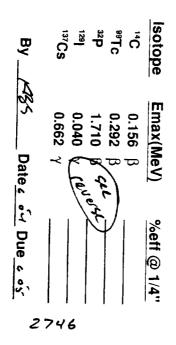
0.50

#### Calibration of Geiger Muller Counter

Performed Annually by Purdue University Department of Radiological Control and Environmental Management

- 1. Device
  - a. Geiger Muller Counter; Model GSM-505DP; Serial # 2746
  - b. Pancake Probe; Model # HP-265; Serial # 6064
  - c. Sodium Iodide Probe; Model # GLE-1; Serial #1273
- 2. Last Date of Calibration: June, 2004
- 3. Due Date for Next Calibration: June, 2005





5. Jinn lod: de efficiency

133 Ba source

4.2002.76 p.C.

1.459 26 Jpn

4.0 % efficiency

4.0 % efficiency

(58,500 cpm)

NRC FORM 314 U.S. NUCLEAR REGULATORY COMMISSION	APPROVED BY OMB: NO. 3150-0028	EXPIRES: 06/30/2007					
(6-2004) 10 CFR 30.36(j)(1): 40.42(j)(1); 70.38(j)(1): and 72.54(j)(1)	Estimated burden per response to comply with the This submittal is used by NRC as part of the to						
70.30(j), (), and 72.34(j)(1)	released for unrestricted use. Send comments re FOIA/Privacy Services Branch (T-5 F52), U.S. Nuc	egarding burden estimate to the Records and					
CERTIFICATE OF DISPOSITION OF MATERIALS	20555-0001, or by internet e-mail to infocollects	@nrc.gov, and to the Desk Officer, Office of					
1	Information and Regulatory Affairs, NEOB-1020 Budget, Washington, DC 20503. If a means used	to impose an information collection does not					
	display a currently valid OMB control number, to person is not required to respond to, the information						
LICENSEE NAME AND ADDRESS	LICENSE NUMBER	DOCKET NUMBER					
ENDOCYTE INC.	13-32212-01	030-35228					
1205 KENT AVE	LICENSE EXPIRATION DATE						
WEST LAFAYETTE, IN 47966	December 31, 2009						
A. LICENSE STATUS (Check the appropriate box)  This license has expired. This license has not yet expired; please terminate it.							
B. DISPOSAL OF RADIOACT							
(Check the appropriate boxes and complete as necessary. If additional space is not be licensee, or any individual executing this certificate on behalf of the license.	•						
No radioactive materials have ever been procured or possessed by							
		and the state of t					
<ul> <li>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.</li> <li>Transfer of radioactive materials to the licensee listed below:</li> </ul>							
Enough Inc. 3000 KENT AUE WEST LAFAGEH	FN 47906 -> license #	13-32212-01					
∴ b. Disposal of radioactive materials:     ☐    ☐    ☐    ☐    ☐    ☐    ☐							
1. Directly by the licensee:							
Ì							
By licensed disposal site:							
1							
∠ 3. By waste contractor: Beanonice							
c. All radioactive materials have been removed such that any remain Part 20, Subpart E, and is ALARA.	ning residual radioactivity is within	the limits of 10 CFR					
C. SURVEYS PERFORMED A							
1. A radiation survey was conducted by the licensee. The survey confirm							
a. the absence of licensed radioactive materials							
, b. that any remaining residual radioactivity is within the limits of 10 (	OFR 20, Subpart E, and is ALARA	٨.					
2. A copy of the radiation survey results:	·						
Appendix 6 of Birden	c. was forwarded to NPC on:						
		Date					
A radiation survey is not required as only sealed sources were ever personal control of the sealed sources.	ossessed under this license, and						
The results of the latest leak test are attached; and/or	b. No leaking sources have eve	r been identified.					
The person to be contacted regarding the information provided on this form:							
NAME  DR. CHZISTOPHER LEAMON VICE PRESIDENT + RSO  Mail all future correspondence regarding this license to:	TELEPHONE (Include Are	10 mm and 10					
OR CHRISTOPHER P LEAMON ENDRYTE INC 3000 KENT AVE WEST CAFAGETTE IN 47706							
C. CERTIFYING OFFICIAL I CERTIFY UNDER PENALTY OF PERJURY THAT THE FOREGOING IS TRUE AND CORRECT							
SIGNATURE DATE							
CHRISTOPHER P. LEAMON VICE PRESIDENT 4 P.SU		5-26-25					
WARNING: FALSE STATEMENTS IN THIS CERTIFICATE MAY BE SUBJECT TO CIVIL A SUBMISSIONS TO THE NRC BE COMPLETE AND ACCURATE IN ALL MATERIAL RESPECT. WILLFULLY FALSE STATEMENT OR REPRESENTATION TO ANY DEPARTMENT OR AGENCY (	IND/OR CRIMINAL PENALTIES. NRC . 18 U.S.C. SECTION 1001 MAKES IT A DF THE UNITED STATES AS TO ANY MA	REGULATIONS REQUIRE THAT CRIMINAL OFFENSE TO MAKE A TTER WITHIN ITS JURISDICTION.					

NRC FORM 314 (6-2004)

PRINTED ON RECYCLED PAPER

From: Origin ID: (765)463-7175 TAMMY WARD

ENDOCYTE, INC. 3000 Kent Avenue Suite A1-100

West Lafayette, IN 47906



SHIP TO: (630)829-9887 **BILL SENDER** 

TOYE SIMMONS

**US Regulatory Commission Region III MATERIALS LICENSE BRANCH** 2443 WARRENVILLE ROAD, SUITE 210 LISLE, IL 605324352

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