801 32rd Ave. Brookings, SD 57006 P. 605/697-8500

F: 605/697-8507

Biogenetic Services, Inc.



To:	Jim Montgomery	From: Arla Bus	<u>h</u>				
Fax:	925/673-0112	Pages: 4					
Phone	B:	Date: 12/3/200	12/3/2004				
Re:	Calibration report	CC:					

Dear Mr Montgomery;

Following are the documents you requested. The last isotope we purchased was one mCi in January, 2004. As of September, 2004 it had decayed to a specific activity of 0.00002 mCi I hope these documents will be sufficient to allow decommissioning to proceed.

Thank you.

Sincerely.

Arla L. Bush, Ph.D.

and I Brue

Dec 01 04 04:29p Paul Hurley

(208) 523-5698

p.2

Farm \$100 Reviden 5, 9441



Instrumentation and Professional Services

IOI Trichnology Dr. Idaho Palls, Idaho 83401

(208) 523-5657 PAX (208) 323-6856 DOSE RATE INSTRUMENT

					200	ER/	ATE	NST	RUMB	₹N1						
	CUSTOMER INFORMATION Address 901 32nd Ave								B r	ookings	_	SD 57606				
Gustomer: Biogenetic Services Inc.							ITS #: \$348-82 PO # verbal		al P	hone #:		005-497-4506				
Contac	t: Arle Bu	sh	_				Dale;	_		18/2002			FAX #:	<u></u>		
Comments: MISTRUMENT IDENTIFIC																****
Ollinia		MOD				NSTRU LAN		73847	CAL	DATE:	7117/2	102 h	but Cal	Due:	7/11/	111663
NFOR:	Ludium	lod 2	PRO		BE IDENTIFICATION					Next Cal Duc: 7/17/2003						
1351 CAL DATE: 7/17/2862 NEMI CE																
MFO'R:	Ludium	MOD	_		CAL TI	FK QA	& CALI	BRATK	N PRO	CEDUR	12		200.2	4	Revi	sion #1
	CP-PRO-991) Rev. #2 Procedure #: CP-PRO-299															
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High Vo	X aye.	<u> </u>					MENT	& TES	EQUIP	MANAS I	IN DI	/M, sn 7:	1460064		Cat Due 8-16-03	
Ludiu	m Mod. 504	48 Pulser			Due: 2-4		Lab Eq.		Fbe	Time Mc	d. MP2	Pulser si	N 906	105 Cal Due 1-16-03		
Shepht	rd Mod. 8	1-10 sn 9004	_	Ca) Due: 2-2	22-43	Lab Equ	THE BRO	OBE TES	T RES	ULTS					
<u> </u>					_				Backgr	nund			Taleranes	. P	eca .	Fail
Source D		Scale/		Auto	Expe		Real		Read		Net	Reading	1818-4-			
#	Isotope	Range	R	tange	Res		9.23	mR	•	μR	0.2	mR	20%		<u> </u>	
pulser		X0.1		Yes	0.25	mR	2.76	mR	20	μR	2.7	mR	20%		<u> </u>	↓
01-500	Cs 137	X1			2.5	mR			20	μR	27.0	mR	20 W		P	
81-500	Cs 137	Х10	73	Yes	26	mR		mR		μR		mR	20%			├ ──
01-508			P	Yes	 		1		1	μR		rnR	28%			<u> </u>
61- 110				Yes	AGIFFT	CALIF	RATIO	NATE	ST MEA	SUREN	LENTS	}				1
		A4-1	_	Auto				erved	Backg	Louve	Net	Reading	Talarans	:•1 P	26.5	Fail
Source ID	isotope	Scale/ Range	1	Range		Expected Reading		eding _	Rea	ding	1		18%	_	P	
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pulser		X0.1	╬		0.4	mil	0.40	n mR		<u>µR</u>	4				P	1
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01-500	Ce 137	XI	₩	Yes	4	mA	R 4.26	0 пФ		μR	-				P	1-
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CAL-TEX ASSOCIATES, LLC, certify that the above instrument has been collorated by radioactive standards braceable to the National Inatibute of Standards and Technology (NST), or insceeds to estimate the reliable for other international Standards Organization members, or have been derived from accepted values of naturally hydrol constants, or have been derived by the ratio type of calibration techniques. Acceptacy of the principal resistant sources used in the calibration are performed in aqual to the required accountry of the equipment being calibration. The CAL-TEX calibration system conforms to ANSI N323-1997. All casterations are performed in accordance with the customers Purchase Order requirements and the CAL-TEX Quality Assurance Management Program. (QP.PRO-001. Revision 3, 2001) which is accordance with the customers Purchase Order requirements and the CAL-TEX Quality Assurance Management Program.

Dose Bers Frede

DEC- 3-04 FRI 10:57 AM BIOGENETICS EROOKINGS SD FAX NO. 16056978507

2004 decommissioning, 2004 monthly rad material.xls

Specific Activity calc: (#mCi)*(0.5)^(days past ref./14.3)

NOTE: 365 + current day of yr = day of yr for 2003 receipts

Current Ref. Day of Date-

Day of Yr. Days

8/31/04 past ref. Amt (mCi) SA of 1 mCi Yr. Total SA vial # Date Rcd Ref. Date

1323 244 227 1 0.00002 0.00002 17 14-Jan 1/17/2004

> 0.00002 Total on Hand:

also

12/3/2004

TELEPHONE CONVERSATION RECORD

Date: November 23, 2004	
Name of person called or who called you: Arla Bush Organization: Biogenetic Services, Inc.	☐ Incoming ✔☐Outgoing
Phone No.: 605-697-8500	
Subject: Deficiency Phone Call	
Summary: Laboratory close out survey record need to show	:
1. Date of last survey instrument calibration, who calibrated factor for P-32. Ms. Bush will locate records and fax to me.	and efficiency
2. Date of survey was 9/23/04.	
3. Last P-32 purchase (1 mCi) was in January 2004.	
Signature of person documenting this conversation:	
James L. Montgomery RA\ Date: 1	1/23/04