NRC FORM 374	U.S. NUCLEAR REGUL	ATORY COMMISSI	PAGE <u>1</u> OF <u>3</u> PAGES ON Amendment No. 03				
MATERIALS LICENSE Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 36, 39, 40, and 70, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules regulations, and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below. Licensee In accordance with the letter dated April 27, 2012,							
1. Molecular Imaging, Inc. 3. License number			ar 21-32816-01 is amended in its and as follows:				
2. 800 Technology Drive Ann Arbor, MI 48108		 Expiration date Ja Docket No. 030-3 Reference No. 					
6. Byproduct, source, and/or 7. special nuclear material	Chemical and/or physical form		Maximum amount that licensee may possess at any one time under this license				
A. Fluorine-18	A. Solution		A. Not to exceed 120 millicuries				
B. Cobalt-57	B. Sealed sources (Ecke Model PHI-0119)	ərt & Ziegler	B. 2 sources not to exceed 5 millicuries each				
C. Gërmanium-68	C. Sealed sources (Sien CS-6-14)	nens Model	C. 2 sources not to exceed 5 millicuries total				
D. Cesium-137 E. Technetium-	 D. Sealed source (Ecker Model RV-137-200U) E. Any 		 D. 2 source not to exceed 300 microcuries E. 20 millicuries 				
99m F. Indium-111	F. Any		F. 20 millicuries				
G. lodine-123	G. Any		G. 20 millicuries				
H. lodine-125	H. Any	``	H. 60 millicuries				

9. Authorized Use:

A. For research and development as defined in 10 CFR 30.4 in rodents.

B. through D. For instrument calibration.

E. through H. For research and development as defined in 10 CFR 30.4 in rodents.

NRC FORM 374A	U.S. NUCLEAR REGULATORY COMMISSIO	N	PAGE 2	2 of 3	PAG		
		License Number 21-32816-01					
	IATERIALS LICENSE UPPLEMENTARY SHEET	Docket or Reference Number 030-38386					
		Amendment No. 03	Amendment No. 03				
	CONDITIO	NS					
	<u></u>						
10. Licensed materia Michigan.	al shall be used only at the licensee's fa	cilities located at 800 Te	chnology	Drive, A	nn Arbo		
11. Licensed materia Deanne Lister,	als shall only be used by, or under the s B.Sc.	upervision of Patrick Mc	Conville, F	^{>} h.D., ai	nd		
12. The Radiation S	afety Officer (RSO) for this license is Ca	arol Lentz.			·		
	rces shall be tested for leakage and/or pecified in the certificate of registration is State.						
intervals Agreeme	sence of a certificate from a transferor in specified in the certificate of registration nt state prior to the transfer, a sealed so until tested.	issued by NRC under 1	0 CFR 32	.210 or	by an		
within the	burces need not be tested if they are in removed from storage for use or transfe required leak test interval, they shall be tored for a period of more than 10 year ation.	rred to another person, a e tested before use or tra	and have i insfer. No	not beer sealed	n tested		
radioactiv becquere Regulator immediat	test shall be capable of detecting the pr re material on the test sample. If the test ls) or more of removable contamination ry Commission in accordance with 10 C ely from service and decontaminated, re ion regulations.	t reveals the presence of , a report shall be filed w FR 30.50(c)(2), and the	f 0.005 mi ith the U. source sh	icrocurie S. Nucle all be re	e (185 ear emoved		
Commiss authorize must be p	leakage and/or contamination shall be j ion or an Agreement State to perform s d to collect leak test samples but not pe performed by persons specifically licens uch services.	uch services. In addition form the analysis: analy	, the licer sis of leal	nsee is k test sa	mples		
F. Records	of leak test results shall be kept in units	of microcuries and shall	be mainta	ained for	- 3 year		
4. Sealed sources of	containing licensed material shall not be	opened.					
	Il conduct a physical inventory every 6 i itory Commission, to account for all sou se.						
o The Berness	a dha a shina ah dan dan sa an ar 19 a sa sa shi a sa shi a sa shi a	الالاندام ومعامله والمراجع	4				

16. The licensee is authorized to transport licensed material only in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."

NRC FORM 374A	U.S. NUCLEAR R		N	PAGE	3	of	3	PAGES
	0.01110 - umr.,		License Number		<u> </u>		<u> </u>	
			21-32816-01 Docket or Reference Number					•
	MATERIALS LICE SUPPLEMENTARY SH		030-38386	er				
			Amendment No. 03					
·								
17. Licensed mat	erial shall not be used	in or on humans.						
	animals or the product nall not be used for hur		animals that have been	adminis	tere	d lic	ens	ed
the licensee		radioactive material	than that held in accorda with a physical half-life o rash, provided:					
approj detern	priate survey instrumer	nt set on its most sei	I be surveyed at the conninsitive scale and with no nsitive from background.	interpos	ed s	shie	lding	g to
The re in stor dose r	ecord must include the age, the radionuclides	date of disposal, the disposed, the surve	his license condition sha date on which the bypro y instrument used, the ba container, and the name	duct ma ackgroui	iteria nd d	al w ose	as p rate	laced e, the
accordance any enclosu statements,	with the statements, rures, listed below. The	epresentations, and Nuclear Regulatory	the licensee shall condu procedures contained in Commissions's regulatio ensee's application and c	the doc ns shall	ume gov	ents, ern	, incl unle are	ess the
A	ion dated June 9, 2010) (with attachment):	and				• <i>\$</i> =	11 11
A Application dated June 9, 2010 (with attachment); and				in de la companya de La companya de la comp	. Ť **			
B. Letters o	dated March 16, 2012,	March 23, 2012, and	d April 27, 2012	e de la composición d La composición de la c			46	- Ž
1						, × 4	· ``	Ŷ
						2 2	6	
							•	
t .	4	FOR TH	E U.S. NUCLEAR REGU	JLATOR	YC	OM	MIS	SION
,						• **		
	and a second				e st			
Date JUN 2	8 2012	Ву	n f a	loz		_		
Cassandra Frazier Materials Licensing Branch Region III								