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U.S. NUCLEAR REGULATORY COMMISSION Amendment No. 05				
<b>MATERIALS LICENSE</b> 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 application dated			
	May 23, 2013,			
1. Department of the Army	3. License number 20-30847-01 is amended in			
U. S. Army Research Institute	its entirety to read as follows:			
of Environmental Medicine (USARIEM)	EGU			
2. Kansas Street, Building 42	4. Expiration date January 31, 2014			
Natick, Massachusetts 01760-5007	5. Docket No. 030-36434			
9	Reference No.			
6.       Byproduct, source, and/or special nuclear material       7.       Chemical and/or physical form       8.       Maximum amount that licensee ma possess at any one time under this license         A.       Hydrogen 3       A.       Any       A.       100 millicuries         B.       Carbon 14       B.       Any       B.       100 millicuries         C.       Phosphorus 32       C.       Any       C.       10 millicuries         D.       Phosphorus 33       D.       Any       D.       10 millicuries         E.       Sulfur 35       E.       Any       E.       10 millicuries         F.       Iodine 125       F.       Any       F.       20 millicuries         9.       Authorized use:       A.       Any       F.       20 millicuries				
CONDITIONS				
<ol> <li>Licensed material may be used or stored only at the licensee's facilities located at Kansas Street, Building 42, Natick, Massachusetts.</li> </ol>				
11. Licensed material shall be used by, or under the supervision of Jeffrey F. Oliver and Michael D. Blaha. Licensed material listed in Item 6.F. shall be used by, or under the supervision of Jeffrey S. Staab.				
12. The Radiation Safety Officer for this license is Jeffrey F. Oliver.				
13. The licensee shall not use licensed material in or on human beings.				
14. The licensee shall not use licensed material in field applications where it is released except as provided otherwise by specific condition of this license.				

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15.	Experimental animals, or the products from experimental animals, that have been administered licensed materials shall not be used for human consumption.				
16.	The licensee is authorized to hold byproduct material with a physical half-life of less than or equal to 120 days for decay-in-storage before disposal without regard to its radioactivity if the licensee:				
	A.	Monitors byproduct material at the surface before cannot be distinguished from the background radia detection survey meter set on its most sensitive so	ation level with an appropriate radiation		
	В.	Removes or obliterates all radiation labels, except containers and that will be managed as biomedica licensee; and			
	C.	Maintains records of the disposal of licensed mate date of disposal, the survey instrument used, the t measured at the surface of each waste container, the disposal.	packground radiation level, the radiation level		
17.	10 CFR Part 71, "Packaging and Transportation of Radioactive Material."				
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18.	Except as specifically provided otherwise in this license, accordance with the statements, representations, and princluding any enclosures, listed below. The U.S. Nuclear shall govern unless the statements, representations, and and correspondence are more restrictive than the regula A. Letter dated January 9, 2004 [ML040360196] B. Letter received January 28, 2004 [ML040430143] C. Letter dated June 29, 2009 [ML091900407] D. Letter dated January 13, 2011 [ML110130483]	rocedures contained in the documents, ar Regulatory Commission's regulations d procedures in the licensee's application ations.

For the U.S. Nuclear Regulatory Commission

Date	July 15, 2013	By	Original signed by Dennis R. Lawyer
		Ву	Dennis R. Lawyer Commercial and R&D Branch Division of Nuclear Materials Safety Region I King of Prussia, Pennsylvania 19406