

**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 letters dated February 10, 2012, July 23, 2012, and July 27, 2012
1. Department of Health and Human Services National Hansen's Disease Programs	3. License number 17-14996-01 is amended in its entirety to read as follows:
2. USPHS, Laboratory Research Branch at LSU-SVM Skip Bertman Drive Baton Rouge, Louisiana 70803	4. Expiration date July 31, 2022
	5. Docket No. 030-08380 Reference No.

6. Byproduct, source, and/or special nuclear material	7. Chemical and/or physical form	8. Maximum amount that licensee may possess at any one time under this license
A. Hydrogen-3	A. Any	A. 100 millicuries
B. Carbon-14	B. Any	B. 90 millicuries
C. Iodine-131	C. Any	C. 10 millicuries
D. Iodine-125	D. Any	D. 20 millicuries
E. Phosphorus-32	E. Any	E. 10 millicuries
F. Sulfur-35	F. Any	F. 10 millicuries
G. Chromium-51	G. Any	G. 10 millicuries
H. Phosphorus-33	H. Any	H. 30 millicuries
I. Cesium-137	I. Sealed sources	I. 100 microcuries

## 9. Authorized Use:

- A. through H. To be used in in vitro laboratory and diagnostic studies, chemical synthesis of labeled compounds, protein labeling, and animal studies.
- I. To be used in instrument calibration.

**CONDITIONS**

10. Licensed material shall be stored or used only at the licensee's facilities located at the Laboratory Research Branch, National Hansen's Disease Programs at Louisiana State University, Skip Bertman Drive, Baton Rouge, Louisiana.

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SUPPLEMENTARY SHEET**License Number  
17-14996-01Docket or Reference Number  
030-08380

Amendment No. 22

11. Licensed material shall be used by, or under the supervision of, Edward Shannon, Ph.D., James L. Krahenbuhl, Ph.D., Thomas P. Gillis, Ph.D., David Scollard, M.D., Ph.D., Diana L. Williams, Ph.D., Linda B. Adams, Ph.D., or Richard W. Truman, Ph.D.
12. The Radiation Safety Officer for this license is J. P. Pasqua.
13. Experimental animals, or the products from experimental animals, that have been administered licensed materials shall not be used for human consumption.
14. The licensee shall not use licensed material in or on human beings except as provided otherwise by specific condition of this license.
15. The licensee shall not use licensed material in field applications where activity is released except as provided otherwise by specific condition of this license.
16. The licensee shall conduct a physical inventory every 6 months, or at other intervals approved by the U.S. Nuclear Regulatory Commission, to account for all source s and/or devices received and possessed under the license. Records of inventories shall be maintained for 5 years from the date of each inventory and shall include the radionuclides, quantities, manufacturer's name and model numbers, and the date of the inventory.
17. 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."
18. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below. The U.S. Nuclear Regulatory Commission's regulations shall govern unless the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.
- A. Application dated February 10, 2012 [ML12047A321]  
B. Letter and attachments dated July 23, 2012 [ML12207A562]

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

/RA/

Date: July 31, 2012

By: \_\_\_\_\_

Roberto J. Torres, Senior Health Physicist  
Nuclear Materials Safety Branch B  
Region IV  
Arlington, Texas 76011-4511