U.S. NUCLEAR REGULATORY COMMISSION

Amendment No. 11

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, 37, 39, 40, 70 and 71, 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 letter dated May 5, 2016,	4. Expiration Date: December 31, 2019
1. Endocyte Incorporated 2. 3000 Kent Avenue West Lafayette, IN 47906	3. License number: 13-32212-01 is amended in its entirety to read as follows:	5. Docket No.: 030-35228 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	9. Authorized use
A. Hydrogen-3	A. Any non-volatile	A. 50 millicuries total	A. Research and development as defined in Section 30.4 of 10 CFR Part 30 including animal studies.
B. Carbon-14	B. Any non-volatile	B. 10 millicuries total	B. Research and development as defined in Section 30.4 of 10 CFR Part 30 including animal studies.
C. Phosphorus-32	C. Any non-volatile	C. 20 millicuries total	C. Research and development as defined in Section 30.4 of 10 CFR Part 30 including animal studies.
D. Phosphorus-33	D. Any non-volatile	D. 10 millicuries total	D. Research and development as defined in Section 30.4 of 10 CFR Part 30 including animal studies.
E. Sulfur-35	E. Any non-volatile	E. 20 millicuries total	E. Research and development as defined in Section 30.4 of 10 CFR Part 30 including animal studies.

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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	9. Authorized use
F. Technetium-99	F. Any	F. 1 millicurie total	F. Research and development as defined in Section 30.4 of 10 CFR Part 30 including animal studies.
G. Technetium-99m	G. Any non-volatile	G. 500 millicuries total	G. Research and development as defined in Section 30.4 of 10 CFR Part 30 including animal studies.
H. Iodine-125	H. Any non-volatile	H. 10 millicuries total	H. Research and development as defined in Section 30.4 of 10 CFR Part 30 including animal studies.
I. Iodine-125	I. Sodium Iodide	I. 10 millicuries total	I. Research and development as defined in Section 30.4 of 10 CFR Part 30 including animal studies.
J. Gallium-67	J. Liquid	J. 30 millicuries total	J. Research and development as defined in Section 30.4 of 10 CFR Part 30 including animal studies.
K. Gallium-68	K. Liquid	K. 20 millicuries total	K. Research and development as defined in Section 30.4 of 10 CFR Part 30 including animal studies.
L. Indium-111	L. Liquid	L. 20 millicuries total	L. Research and development as defined in Section 30.4 of 10 CFR Part 30 including animal studies.

CONDITIONS

10. Licensed material may be used or stored at the licensee's facilities located at:
    1. 3000 Kent Avenue, West Lafayette, Indiana, 47906

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11. The Radiation Safety Officer (RSO) for this license is Jonathan Shillingford, Ph.D.

12. Licensed material shall be used by, or under the supervision of, the following individuals for the materials and uses indicated:

Authorized Users	Material and Use
Le-Cun Xu, Ph.D.	All
Marilyn Vetzel	Items 6.A through 6.I.
Christopher P. Leamon, Ph.D.	Items 6.A through 6.I.
Joseph A. Reddy, Ph.D.	Items 6.A, and 6.G. through 6.I.

13. The licensee is authorized to hold radioactive material with a physical half-life of less than or equal to 120 days for decay-in-storage before disposal in ordinary trash provided:

    A. Before disposal as ordinary trash, the waste shall be surveyed at the container surface with the appropriate survey instrument set on its most sensitive scale and with no interposed shielding to determine that its radioactivity cannot be distinguished from background. All radiation labels shall be removed or obliterated.

    B. A record of each disposal permitted under this License Condition shall be retained for three years. The record must include the date of disposal, the date on which the byproduct material was placed in storage, the radionuclides disposed, the survey instrument used, the background dose rate, the dose rate measured at the surface of each waste container, and the name of the individual who performed the disposal.

14. The licensee shall not use licensed material in or on human beings.

15. The licensee shall not use licensed material in field applications where activity is released except as otherwise provided by specific condition of this license.

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16. Experimental animals, or the products from experimental animals, that have been administered licensed material shall not be used for human consumption.

17. 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 September 25, 2009 (ML092740759)
    B. Letter dated February 14, 2013 (ML13050A724)
    C. Letter dated April 29, 2013 (ML13120A637)
    D. Letter dated July 23, 2015 (ML15205A331)

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date: AUG 02 2016

By: _____
Bryan Parker
Region 3