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U.S. NUCLEAR REGULATORY COMMISSION

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. 03680 53738

Licensee	
1. Charles River Discover and Imaging Services-Ann Arbor 2. 800 Technology Drive Ann Arbor, MI 48108	3. License number 21-32816-01 4. Expiration date January 31, 2021 5. Docket No. 030-38386 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. Florine-18	A. Solution	A. Not to exceed 120 millicuries
B. Cobalt-57	B. Sealed sources (Eckert & Ziegler Model PHI-0119)	B. 2 sources not to exceed 5 millicuries each
C. Germanium-68	C. Sealed sources (Siemens Model CS-6-14)	C. 2 sources not to exceed 5 millicuries total
D. Cesium-137	D. Sealed source (Eckert & Ziegler Model RV-137-200U)	D. 1 source not to exceed 200 microcuries

9. Authorized use

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

B. through D. For instrument calibration.

CONDITIONS

10. Licensed material may be used at the licensees' facilities located at 800 Technology Drive, Ann Arbor, Michigan

11. Licensed material shall only be used by, or under the supervision William Elliott, Ph.D. and Vinol Kaimal, Ph.D.

12. The Radiation Safety Officer (RSO) for this license is Carol Lentz.

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License Number
48-18608-02

Docket or Reference Number
03022318

Amendment No. 21

13. A. Sealed sources shall be tested for leakage and/or contamination at intervals not to exceed the intervals specified in the certificate of registration issued by NRC under 10 CFR 32.210 or by an Agreement State.

B. In the absence of a certificate from a transferor indicating that a leak test has been made within the intervals specified in the certificate of registration issued by NRC under 10 CFR 32.210 or by an Agreement State prior to the transfer, a sealed source received from another person shall not be put into use until tested.

C. Sealed sources need not be tested if they are in storage and are not being used. However, when they are removed from storage for use or transferred to another person, and have not been tested within the required leak test interval, they shall be tested before use or transfer. No sealed source shall be stored for a period of more than 10 years without being tested for leakage and/or contamination.

D. The leak test shall be capable of detecting the presence of 0.005 microcurie (185 becquerels) of radioactive material on the test sample. If the test reveals the presence of 0.005 microcurie (185 becquerels) or more of removable contamination, a report shall be filed with the U.S. Nuclear Regulatory Commission in accordance with 10 CFR 30.50(c)(2), and the source shall be removed immediately from service and decontaminated, repaired, or disposed of in accordance with Commission regulations.

E. Tests for leakage and/or contamination shall be performed by persons specifically licensed by the Commission or an Agreement State to perform such services. In addition, the licensee is authorized to collect leak test samples but not perform the analysis: analysis of leak samples must be performed by persons specifically licensed by the Commission or an Agreement State to perform such services.

F. Records of leak tests results shall be kept in units of microcuries and shall be maintained for 3 years.

15. Sealed sources containing licensed material shall not be opened.

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 sources and/or devices received and possessed under the license.

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. Licensed material shall not be used in or on humans.

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

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20. 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 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 June 9, 2010.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date JAN 14 2011

By _____
James R. Mullauer, M.H.S.
Materials Licensing Branch
Region III