## 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, 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.

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Licensee  1. EMD Millipore	In accordance with letter dated October 19, 2017.	4. Expiration Date: December 31, 2023  5. Docket No.: 030-32903
2. 3050 Spruce Street St. Louis, MO 63103	3. License number: 24-26445-01 is amended in its entirety to read as follows:	Reference No.: 030-36554
Byproduct, source,     and/or special nuclear     material	Maximum amount that licen may possess at any one time under this license	
A. lodine-125 A. Any Exc	cept Sealed Sources A. 500 millicuries total	A. To be used in the manufacture of radiolabeled peptides and proteins for distribution to persons authorized to receive the licensed material under the terms and conditions of a specific license issued by the Commission or an Agreement State. Pursuant to 10 CFR 32.71, the licensee is authorized to distribute in-vitro kits containing prepackage units to persons generally licensed pursuant to 10 CFR 31.11, or equivalent provisions of the regulations of an Agreement State.
B. Phosphorus-32 B. Non-vol	atile B. 5 millicuries total	For analytical testing of biochemical products.

## CONDITIONS

- 10. Licensed material may be used at and/or distributed from the licensee's facilities located at 3050 Spruce Street, St. Louis, Missouri, 63103.
- 11. A. Licensed material listed in Subitem 6.A. shall only be used by, or under the supervision of, John Nichols.
  - B. Licensed material listed in Subitem 6.B. shall only be used by, or under the supervision of, Paul Klueh, April Bauer, Ph.D., and Jacob Philips.
- 12. The Radiation Safety Officer (RSO) for this license is Robert E. Lee McVay.
- 13. This license does not authorize commercial distribution of licensed material to persons exempt from licensing pursuant to 10 CFR 30.18.
- 14. 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, except for radiation labels on materials that are within containers and that will be managed as biomedical waste after they have been released from the licensee.
  - B. A record of each such disposal permitted under this license condition shall be retained for 3 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.
- 15. The licensee shall not use the licensed material in or on humans.

## **MATERIALS LICENSE** SUPPLEMENTARY SHEET

License Number 24-26445-01

Docket or Reference Number 030-32903

030-36554

Amendment No. 29

- G. Letter dated January 17, 2017 (ML17020A076)
- H. Letter dated January 25, 2017 (ML17026A068)
- I. Letter dated March 24, 2017 (ML17087A571)
- J. Letter dated May 22, 2017 except Item 3 (ML17151A376)

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date: February 6, 2018