

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 1. Butler University 2. 4600 Sunset Ave. Indianapolis, IN 46208		In accordance with application dated September 29, 2022,	4. Expiration Date: January 31, 2025
		3. License No.: 13-01865-02 is renewed in its entirety to read as follows:	5. Docket No.: 030-00693 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. Carbon-14	A. Any	A. 2.5 millicuries total	A. For possession and storage in standby. This license must be amended prior to any use.
B. Hydrogen-3	B. Any	B. 2.5 millicuries total	B. For possession and storage in standby. This license must be amended prior to any use.

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License No.: 13-01865-02

Amendment No. 29

Docket or Reference No.:
030-00693**CONDITIONS**

10. Licensed material shall be used or stored at the licensee's facilities located at Butler University, Indianapolis, Indiana, in the Levinson Family Hall, and the College of Pharmacy and Health Sciences.
11. The Radiation Safety Officer (RSO) for this license is Craig W. Barnhart.
12. Licensed material shall only be used by, or under the supervision of, the following individuals for the materials and uses indicated:
- | <u>Authorized User</u> | <u>Material and Use</u> |
|------------------------|-------------------------|
| Conrad Hong, Ph.D. | Hydrogen-3 |
13. The licensee shall not use the licensed material in or on humans.
14. The licensee shall not use licensed material in field applications where activity is released except as provided otherwise by specific condition of this license.

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15. 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. This license condition applies only to those statements, representations, and procedures that are required to be submitted in accordance with the regulations. The U.S. Nuclear Regulatory Commission's regulations shall govern unless the statements, representations, and procedures in the licensee's application and correspondence impose on the licensee requirements that are more restrictive than or in addition to the regulations.
- A. Application dated September 29, 2022 (ML22272A532)
 - B. Letter dated November 11, 2022 (ML22343A116)
 - C. Letter dated November 17, 2022 (ML22343A139)
 - D. Letter dated December 15, 2022 (ML23024A205)



FOR THE U. S. NUCLEAR REGULATORY COMMISSION

Date: January 27, 2023By: _____
Bryan A. Parker
Region III