



**Texas Department of State
Health Services**

RADIOACTIVE MATERIAL LICENSE

Pursuant to the Texas Radiation Control Act and Texas Department of State Health Services (Agency) regulations on radiation, 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 radioactive material listed below; and to use such radioactive material for the purpose(s) and at the place(s) designated below. This license is subject to all applicable rules, regulations and orders of the Agency now or hereafter in effect and to any conditions specified below.

1. Name BAYLOR UNIVERSITY 2. Address ATTN KARALYN HUMPHREY PHD ONE BEAR PLACE #97290 WACO TX 76798-7290	LICENSEE		3. License Number	L00343
			4. Expiration Date	January 31, 2030
			Amendment Number	51

This license is amended in accordance with correspondence dated September 9, 2022.

5. Radioisotope	6. Form of Material	7. Maximum Activity	8. Authorized Use
A. Carbon-14	A. Any, except sealed source	A. 50 millicuries	A. Research and education.
B. Hydrogen-3	B. Any, except sealed source	B. 50 millicuries	B. Research and education.
C. Iodine-125	C. Any, except sealed source	C. 15 microcuries	C. Research and education.
D. Iodine-131	D. Any, except sealed source	D. 8 microcuries	D. Research and education.
E. Phosphorous-32	E. Any, except sealed source	E. 50 millicuries	E. Research and education.

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5. Radioisotope	6. Form of Material	7. Maximum Activity	8. Authorized Use
F. Strontium-90	F. Sealed source (QSA Model SICB10698; AEA Model SIPQ8026; EZ Model SICB17560)	F. 3 sources not to exceed 40 millicuries each	F. Research and education using a RISØ Automated TL/OSL Dating System, as permitted by 25 TAC §289.252(v)(8)(B).
G. Sulphur-35	G. Any, except sealed source	G. 50 millicuries	G. Research and education.

9. Radioactive material shall only be stored and used at:

<u>Site Number</u> 000	<u>Location</u> Waco – 101 Bagby Avenue, Baylor Sciences Building, Rooms A153R, A426, A454R, A456R, B311, C257, C357, C316, C459R2 , E306, E456 and F110 209 Speight Avenue, Creekside Annex (Records Only*)
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*No use or storage of RAM is permitted at a records only location

10. This license is issued in accordance with Title 25 Texas Administrative Code §289.252(e), "General requirements for the issuance of specific licenses."

11. The individual designated to perform the functions of Radiation Safety Officer (RSO) for activities covered by this license is Karalyn Humphrey, Ph.D.

12. Radioactive material shall only be used by, or under the supervision of, the following individuals:

<u>Authorized User/Principal Investigator</u>	<u>Uses</u>
Bruce, Erica, Ph.D.	Unsealed radioactive material
Forman, Steven L., Ph.D.	Sealed or plated sources

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<u>Authorized User/Principal Investigator</u>	<u>Uses</u>
Kebaara, Bessie W., Ph.D.	Unsealed radioactive material
Kienle, Sarah, Ph.D.	Unsealed radioactive material
Min, Jung-Hyun, Ph.D.	Unsealed radioactive material
Sayes, Christie, Ph.D.	Unsealed radioactive material
Trakselis, Michael A., Ph.D.	Unsealed radioactive material
Trawick, Mary Lynn, Ph.D.	Unsealed radioactive material

13. The licensee shall not open sealed sources containing radioactive material or remove sources from source holders.
14. The licensee shall not use radioactive material in or on human beings, or in field applications where such activity is released unless otherwise provided by a specific condition of this license.
15. 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 and dispose of it as non-radioactive in accordance with procedures described in the electronic mail dated March 16, 2020.

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16. Except as specifically provided otherwise by this license, the licensee shall possess and use the radioactive material authorized by this license in accordance with statements, representations, and procedures contained in the following:

Application dated December 21, 2018,
Letters dated February 25, 2020, April 24, 2020, December 13, 2021, March 14, 2022,
Electronic mail dated March 16, 2020, April 29, 2020, April 30, 2020, **September 20, 2022** and
October 10, 2022.

Title 25 TAC §289 shall prevail over statements contained in the above documents unless such statements are more restrictive than the regulations.

KS:ks

FOR THE DEPARTMENT OF STATE HEALTH SERVICES

Date October 21, 2022

J. Scott Kee, Program Coordinator
Medical and Academic Licensing Program