

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.

Licensee			
1. Bruker Detection Corporation		3. License number: 20-35411-01E	
2. 40 Manning Road Billerica, MA 01821		4. Expiration Date: May 31, 2027	
		5. Docket No.: 030-39032 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. Nickel-63	A. Foils (Eckert & Ziegler Isotope Products Inc., Model NER-004, NER-004P; QSA Global, Model NBCD or NBC; RITVERC GmbH, Model BNI 3.441)	A. No Possession Authorized	A. In accordance with 10 CFR 32.26, the licensee is authorized to distribute gas and aerosol detectors as specified in Condition 10 of this license to persons exempt from the requirements for a license under 10 CFR 30.20, or equivalent regulations of any Agreement State.
B. As specified in 10 CFR 30.71, Schedule B	B. Sealed Sources	B. No Possession Authorized	B. In accordance with 10 CFR 32.18, the licensee is authorized to distribute check sources, Barium-133, Carbon-14, Cadmium-109, Cesium-137,

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- 8. Maximum amount that licensee may possess at any one time under this license
- 9. Authorized use

Cobalt-57, Cobalt-60, Europium-152, Iron-55, Manganese-54, Sodium-22, Polonium-210, Strontium-90, Thallium-204, and Zinc-65, not to exceed the exempt quantities of 10 CFR 30.71, Schedule B, to persons exempt from licensing under 10 CFR 30.18, or equivalent regulations of any Agreement State.

**CONDITIONS**

- 10. The following devices containing byproduct material designed and manufactured in accordance with NRC registration certificate No. NR-1101-D-102-E, may be distributed according to this license provided the amount of nickel-63 contained in each device does not exceed the amount specified in the following table:

Device Model	Maximum Quantity Per Device
RAID-M 100	2.7 millicuries (100 MBq)
RAID-XP	2.7 millicuries (100 MBq)
RAID-AFM	2.7 millicuries (100 MBq)
RAID-S2	2.7 millicuries (100 MBq)
μRAID	2.7 millicuries (100 MBq)

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ARFCAM	2.7 millicuries (100 MBq)
IPDS-LR	2.7 millicuries (100 MBq)
TIMON	2.7 millicuries (100 MBq)
OrthoTIMON	2.7 millicuries (100 MBq)

11. This license does not authorize possession or use of licensed materials.
12. The licensee may distribute licensed material from its facilities located at 40 Manning Road, Billerica, Massachusetts, 01821
13. The licensee shall file periodic reports as specified in 10 CFR 32.20 and 10 CFR Part 32.29.
14. The check sources distributed under 10 CFR 32.18 may be attached to the outside of radiation detection instruments for the convenience of the user.



