

MATERIAL LICENSE

Supplementary Sheet

License Number 10-3997-4
(K66)Amendment No. 1

Department of the Army
Third U. S. Army Medical Laboratory
and U. S. Army Hospital
Fort McPherson, Georgia

In accordance with application dated November 23, 1965, License No. 10-3997-4 is amended as follows:

Items 6, 7, 8, and 9 are amended to add:

<p>6. Byproduct material (element and mass number)</p> <p>U. Hydrogen 3</p> <p>V. Strontium 90 ✓</p>	<p>7. Chemical and/or physical form</p> <p>U. Radiation Research Corporation Foil</p> <p>V. U. S. Radium Corporation Model LAB-369 Sealed Source</p>	<p>8. Maximum amount of radioactivity which licensee may possess at any one time</p> <p>U. 300 millicuries</p> <p>V. 20 millicuries</p>
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9. Authorized use

- U. For use in Barber Colman Company Model A-5120 Detector Cell in a Barber Colman Company gas chromatograph.
- V. For use in Barber Colman Company Model A-4145 Detector Cell in a Barber Colman Company gas chromatograph.

Condition 14. is amended to read:

14. Except as specifically provided otherwise by this license, the licensee shall possess and use byproduct material described in Items 6, 7, and 8 of this license in accordance with statements, representations, and procedures contained in applications dated September 11, 1964, and November 23, 1965.

Add the following conditions:

15. A. Each sealed source containing byproduct material, other than Hydrogen 3, with a

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Condition 15.A. continued:

half-life greater than thirty days and in any form other than gas shall be tested for leakage and/or contamination at intervals not to exceed six months. In the absence of a certificate from a transferor indicating that a test has been made within six months prior to the transfer, the sealed source shall not be put into use until tested.

- B. The test shall be capable of detecting the presence of 0.005 microcuries of radioactive material on the test sample. The test sample shall be taken from the sealed source or from the surfaces of the device in which the sealed source is permanently mounted or stored on which one might expect contamination to accumulate. Records of leak test results shall be kept in units of microcuries and maintained for inspection by the Commission.
- C. If the test reveals the presence of 0.005 microcurie or more of removable contamination, the licensee shall immediately withdraw the sealed source from use and shall cause it to be decontaminated and repaired or to be disposed of in accordance with Commission regulations. A report shall be filed within 5 days of the test with the Director, Division of Materials Licensing, U. S. Atomic Energy Commission, Washington, D. C. 20545, describing the equipment involved, the test results, and the corrective action taken. A copy of such report shall also be sent to the Director, Region II, Division of Compliance, USAEC, 50 Seventh Street, Northeast, Atlanta, Georgia 30323.

16. Sealed sources containing byproduct material shall not be opened.
17. In lieu of using the conventional radiation caution colors (magenta or purple on yellow background) as provided in Section 20.203(a)(1), Title 10, Code of Federal Regulations, Part 20, the licensee is hereby authorized to label detector cells and cell baths, containing byproduct material and used in gas chromatography devices, with conspicuously etched or stamped radiation caution symbols without a color requirement.

DEC 3 1965

Date _____

For the U. S. Atomic Energy Commission

Original Signed by
Nathan Bassinby _____
Isotopes Branch
Division of Materials Licensing
Washington, D. C. 20545

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