

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, 40 and 70, 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. Ion Laboratory, Ltd.

3. License number 21-18758-02

2. 19431 Van Dyke
Detroit, MI 48234

4. Expiration date September 30, 1990

5. Docket or
Reference No. 030-288286. Byproduct, source, and/or
special nuclear material7. Chemical and/or physical
form8. Maximum amount that licensee
may possess at any one time
under this licenseA. Any byproduct material
listed in Groups I
and II of Schedule A,
Section 35.100 of
10 CFR 35A. Any radiopharmaceutical
listed in Groups I
and II of Schedule A,
Section 35.100 of
10 CFR 35A. As necessary for
uses authorized
in Subitem 9.AB. Any byproduct material
listed in Group III of
Schedule A, Section
35.100 of 10 CFR 35B. Any form listed in
Group III of Schedule A,
Section 35.100 of
10 CFR 35B. 2 curies
of each byproduct
material authorized
in Subitem 6.B

C. Iodine-131

C. Any iodide that has
been manufactured,
labeled, packaged, and
distributed in accordance
with a specific license
issued pursuant to
Section 32.72 of 10 CFR
Part 32 or a specific
license issued to a
manufacturer by an
Agreement State pursuant
to equivalent State
regulations

C. 30 millicuries

D. Any byproduct material
listed in Section
31.11(a) of 10 CFR 31

D. Prepackaged kits

D. 3 millicuries
of each byproduct
material authorized
in Subitem 6.D8512030065 850907
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**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License number

21-18758-02

Docket or Reference number

030-28828

9. Authorized Use

- A. Any diagnostic procedure listed in Groups I and II of Schedule A, Section 35.100 of Title 10, Code of Federal Regulations.
- B. Preparation and use of radiopharmaceuticals for any diagnostic procedure listed in Group III of Schedule A, Section 35.100 of Title 10, Code of Federal Regulations.
- C. For treatment of hyperthyroidism and cardiac dysfunction.
- D. In vitro studies.

CONDITIONS

- 10. Licensed material shall be used only at the licensee's facilities located at 19431 Van Dyke, Detroit, Michigan.
- 11. The licensee shall comply with the provisions of Title 10, Chapter 1, Code of Federal Regulations, Part 19, "Notices, Instructions and Reports to Workers; Inspections" and Part 20, "Standards for Protection Against Radiation."
- 12. Licensed material shall be used by, Henry A. Shevitz, M.D.
- 13. The licensee shall establish a bioassay program for individuals handling millicurie amounts of iodine-131 in accordance with frequencies and procedures contained in Regulatory Guide 8.20, "Applications of Bioassay for I-125 and I-131."
- 14. Licensed material shall be used in accordance with the provisions of Section 35.14(b)(c)(e) and (f) of Title 10, Code of Federal Regulations.
- 15. Except as specifically provided otherwise by this license, the licensee shall possess and use licensed material described in Items 6, 7, and 8 of this license in accordance with statements, representations, and procedures contained in application dated June 15, 1979; letters dated September 5, 1979, November 8, 1983 and July 29, 1985; letter received January 23, 1984; Certificate of Disposition dated July 12, 1984; and Model ALARA Program contained in Appendix O of Regulatory Guide 10.8, October 1980. The Nuclear Regulatory Commission's regulations shall govern the licensee's statements in applications or letters, unless the statements are more restrictive than the regulations.

For the U.S. Nuclear Regulatory Commission

Original Signed

By J.R. Madera

Materials Licensing Section, Region III

Date Septmeber 9, 1985

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