

## 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. Kalamazoo Cardiology, P.C.  
Borgess Professional Building North  
1717 Shaffer Street, North
2. Suite 202  
Kalamazoo, MI 49001

3. License number 21-24540-01

4. Expiration date August 31, 1990

5. Docket or  
Reference No. 030-28802

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

A. Any byproduct material  
listed in Group II  
of Schedule A,  
Section 35.100 of  
10 CFR 35

A. Any radiopharmaceutical  
listed in Group II  
of Schedule A,  
Section 35.100 of  
10 CFR 35

A. As necessary for  
uses authorized  
in Subitem 9.A

B. Any reagent kit listed  
in Group III of  
Schedule A, Section  
35.100 of 10 CFR 35

B. Any form, except  
generators, listed  
in Group III of  
Schedule A, Section  
35.100 of 10 CFR 35

B. As necessary for  
uses authorized  
in Subitem 9.B

## 9. Authorized Use

- A. Any diagnostic procedure listed in Group 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.

CONDITIONS

10. Licensed material shall be used only at the licensee's facilities located at 1717 Shaffer Street-North, Kalamazoo, 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."

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**MATERIALS LICENSE**  
SUPPLEMENTARY SHEET

License number  
21-24540-01

Docket or Reference number  
030-28802

12. Licensed material listed in Item 6 above is authorized for use by the following individual(s) for the materials and uses indicated:

Umakant S. Doctor, M.D.

Groups II and III limited to cardiac  
imaging and function studies

Stephen L. Peck, M.D.

Groups II and III limited to cardiac  
imaging and function studies

13. 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.
14. The licensee is authorized to hold radioactive material with a physical half-life of less than 65 days for decay-in-storage before disposal in ordinary trash provided:
- A. Radioactive waste to be disposed of in this manner shall be held for decay a minimum of ten (10) half-lives.
  - B. Prior to disposal as normal waste, radioactive waste shall be monitored to determine that its radioactivity cannot be distinguished from background with typical low-level laboratory survey instruments. All radiation labels will be removed or obliterated.
  - C. Generator columns shall be segregated so that they may be monitored separately to ensure decay to background levels prior to disposal.
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 received July 17, 1985. 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

Date August 22, 1985

Original Signed  
By William J. Adam, Ph.D.  
Materials Licensing Section, Region III

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