

## MATERIALS LICENSE

Amendment No. 03

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		In accordance with application dated May 28, 1985
1. Internal Medicine Group of Cape Girardeau, Inc.		3. License number 24-18814-01 is amended in its entirety to read as follows:
2. 14 Doctor's Park Cape Girardeau, MO 63701		4. Expiration date September 30, 1990
		5. Docket or Reference No. 030-14205
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 byproduct material listed in Group III of Schedule A, Section 35.100 of 10 CFR 35	B. Any form listed in Group III of Schedule A, Section 35.100 of 10 CFR 35	B. 2 curies of each byproduct material authorized in Subitem 6.B
9. Authorized Use		
A. and B. For cardiac dynamic function studies.		

CONDITIONS

10. Licensed material shall be used only at the licensee's facilities located at  
14 Doctor's Park, Cape Girardeau, Missouri.
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 John A. Gantz, M.D. or W. Kirk Bowman, Jr., M.D.
13. The licensee may use the Calicheck device for doing linearity tests of his dose  
calibrator provided he follows the procedures in the Calcorp, Inc., Manual dated  
March 2, 1982.

8510040101 850919  
REG3 LIC30  
24-18814-01 PDR

1/1 COPY

2  
ml30

B.S. 9/14/85

**MATERIALS LICENSE**  
SUPPLEMENTARY SHEET

License number

24-18814-01

Docket or Reference number

030-14205

Amendment No. 03

14. The licensee is authorized to dispose of records of: Dose calibrator accuracy, constancy and linearity checks; survey meter calibrations and occupational and non-occupational personnel training provided that:
1. The record was examined during a routine NRC inspection;
  2. The record is in excess of two years from the date of generation; and
  3. Disposal of the record does not conflict with the requirements of other State of federal agencies.
15. 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.
16. 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 May 28, 1985 and ALARA Program dated May 28, 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

SEP 19 1985

Date \_\_\_\_\_

Original Signed  
By Evelyn R. Matson  
Materials Licensing Section, Region III

COPY