



Hospital
Hamilton/Fairfield

P.O. Box 418
Hamilton, Ohio
45012-0418

Hamilton
100 Riverfront Plaza
Hamilton, Ohio
45011
513-867-6400

Fairfield
3000 Mack Road
Fairfield, Ohio
45014
513-870-7000

PUBLIC / PDR
030-02859

03/10/97
Materials Licensing Section
United States Nuclear Regulatory Commission
Region III
801 Warrenville Road
Lisle, Illinois 60532-43512

Please add the following physicians to our license #34-13663-01 for the use of any byproduct material identified in 10 CFR 35.400. They are all on staff at Christ Hospital, Cincinnati, Ohio and their license number is 34-03831-02.

Peter Fried
Rodney Geier
Jennifer Gerson
Ralph Wright

Also, enclosed is a copy of our revised Quality Management Program.

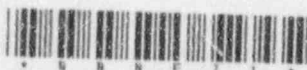
Thank you,

Margo A. Bartheld, CNMT
Nuclear Medicine Department

A MEMBER OF

MERCY

200029



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PDR ADOCK 03002859
C PDR

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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, 39, 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 letter dated November 3, 1995 | |
| 1. The Christ Hospital | | 3. License Number 34-03831-02 is amended in its entirety to read as follows: | |
| 2. 2139 Auburn Avenue Cincinnati, OH 45219 | | 4. Expiration Date December 31, 1995 | |
| | | 5. Docket or Reference No. 030-02725 | |
| 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 identified in 10 CFR 35.100 | A. Any radiopharmaceutical identified in 10 CFR 35.100 | A. As needed | |
| B. Any byproduct material identified in 10 CFR 35.200 | B. Any radiopharmaceutical identified in 10 CFR 35.200 | B. As needed | |
| C. Any byproduct material identified in 10 CFR 35.300 | C. Any radiopharmaceutical identified in 10 CFR 35.300 | C. As needed | |
| D. Any byproduct material identified in 10 CFR 35.400 | D. Any brachytherapy source identified in 10 CFR 35.400 | D. As needed | |
| E. Any byproduct material identified in 10 CFR 35.500 | E. Sealed sources identified in 10 CFR 35.500 | E. As needed | |
| F. Carbon-14 | F. Any | F. 15 millicuries | |
| G. Hydrogen-3 | G. Any | G. 240 millicuries | |
| H. Iodine-125 | H. Any | H. 80 millicuries | |
| I. Phosphorus-32 | I. Any | I. 50 millicuries | |
| J. Phosphorus-33 | J. Any | J. 50 millicuries | |

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MATERIALS LICENSE
SUPPLEMENTARY SHEET

License number

34-03831-02

Docket or Reference number

030-02725

Amendment No. 48

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

K. Sulfur-35

K. Any

K. 40 millicuries

L. Selenium-75

L. Any

L. 3 millicuries

M. Cesium-137

M. Sealed source (Technical
Operations Model 77307
or New England Nuclear
Model NER-570)

M. 165 millicuries

N. Chromium-51

N. Any

N. 50 millicuries

9. Authorized Use:

A. Medical use described in 10 CFR 35.100.

B. Medical use described in 10 CFR 35.200.

C. Medical use described in 10 CFR 35.300.

D. Medical use described in 10 CFR 35.400.

E. Medical use described in 10 CFR 35.500 in devices which have been evaluated
and approved for licensing purposes by the U.S. Nuclear Regulatory
Commission or an Agreement State.

F. through L. In vitro studies.

M. For use in Technical Operations Model 773 calibrator to calibrate the
licensee's survey meters.

N. In vitro and animal studies.

CONDITIONS

10. Location of Use: 2139 Auburn Avenue, Cincinnati Ohio, and 4747 Lake Forrest Drive,
Cincinnati, Ohio.

11. Radiation Safety Officer: Clifford C. BORN, M.S.

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MATERIALS LICENSE
SUPPLEMENTARY SHEET

License number

34-03831-02

Docket or Reference number

030-02725

Amendment No. 48

12. Authorized Users:

- A. Sumantha Ploysongsang, M.D., for material in 10 CFR 35.400 and 35.500.
- B. Kathryn Ann Weichert, M.D., for material in 10 CFR 35.400.
- C. Bernard S. Aron, M.D., for material in 10 CFR 35.400.
- D. Pearl J. Compaan, M.D., for material in 10 CFR 35.400.
- E. Harry Horwitz, M.D., for material in 10 CFR 35.400.
- F. Richard Levy, M.D., for material in 10 CFR 35.400.
- G. Thomas M. Morand, M.D., for material in 10 CFR 35.400.
- H. Kenneth E. Murdock, M.D., for material in 10 CFR 35.400.
- I. Harold T. Pretorius, M.D., for material in 10 CFR 35.100, 35.200, 35.300, 35.500, and in vitro studies.
- J. Rodney P. Geier, M.D., for material in 10 CFR 35.400 and phosphorus-32 as colloidal chromic phosphate for treatment of malignant effusions.
- K. Stephen J. Pomeranz, M.D., for material in 10 CFR 35.100, 35.200, 35.300, 35.500, and in vitro studies.
- L. Richard L. Ward, Ph.D., for in vitro studies and animal studies.
- M. Ann B. Bjornson, Ph.D., for in vitro studies and animal studies.
- N. Clifford G. Born, M.S., for in vitro studies and animal studies.
- O. Ralph Jay Wright III, M.D., for material in 10 CFR 35.400 and phosphorus-32 as colloidal chromic phosphate for treatment of malignant effusions.
- P. John Breneman, M.D., for material in 10 CFR 35.400 and phosphorus-32 as colloidal chromic phosphate for treatment of malignant effusions.
- Q. Peter Fried, M.D., for material in 10 CFR 35.300 and 35.400.
- R. Parshan Singh Ram-Singh, M.D., for material in 10 CFR 35.100, 35.200, 35.300, 35.500 and in vitro studies.

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MATERIALS LICENSE
SUPPLEMENTARY SHEET

License number

34-03831-02

Docket or Reference number

030-02725

Amendment No. 48

12. Authorized Users (Continued)

- S. Gregg N. Milligan, Ph.D., for in vitro studies.
- T. Bahige M. Baroudy, Ph.D., for in vitro studies.
- U. Kevin Redmond, M.D., for material in 10 CFR 35.400 and phosphorus-32 as colloidal chromic phosphate for treatment of malignant effusions.
- V. William L. Barret, M.D., for material in 10 CFR 35.400 and phosphorus-32 as colloidal chromic phosphate for treatment of malignant effusions.
- W. Jennifer Gerson, M.D., for material in 10 CFR 35.400.
- X. Richard Rolfes, M.D., for material in 10 CFR 35.100, 35.200, 35.300, 35.500 and in-vitro studies.
- Y. Robert B. Summe, M.D., for material in 10 CFR 35.400.

- 13. Pursuant to Title 10, Chapter 1, Code of Federal Regulations, Part 40, "Domestic Licensing of Source Material," the licensee is authorized to possess, use, transfer, and import up to 999 kilograms of depleted uranium contained as shielding material in the molybdenum-99/technetium-99 generators authorized by this license.
- 14. The licensee shall maintain records of information important to safe and effective decommissioning at 2139 Auburn Avenue, Cincinnati Ohio, per the provisions of 10 CFR 30.35(g) until this license is terminated by the Commission.
- 15. Notwithstanding the provisions of 10 CFR 34.400(d), the licensee may use Iridium-192 seeds encased in nylon ribbon as described in letter dated July 20, 1992, for intracavitary treatment of cancer.
- 16. This license is based on the licensee's statements and representations listed below:
 - A. Application dated June 25, 1990; and
 - B. Letters dated August 23, 1990, September 27, 1990, July 7, 1995 (excluding all reference to Robert B. Summe, M.D.) and November 3, 1995 (with enclosed close-out survey data for licensee facility located at 2141 Auburn Avenue).

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date December 7, 1995

By

Loren J. Hunter
Nuclear Materials Licensing Branch, Region III

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