

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License number

12-03567-02

Docket or Reference number

030-01450

Amendment No. 47

Methodist Medical Center
221 Northeast Glen Oak Avenue
Peoria, IL 61636

In accordance with application dated August 1, 1985, License Number 12-03567-02 is amended as follows:

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

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

I. Gadolinium-153

I. Sealed sources
(Lunar Radiation Corp.
Model GD Series)

I. Two sources not
to exceed 1.5 curies
each

J. Gadolinium-153

J. Sealed sources
(New England Nuclear
Model NER-430 and NER-431)

J. Two sources not
to exceed 1.5 curies
each

K. Iodine-125

K. Sealed sources
(AECL Model C-235 or
C-324 in Model C-236
source holders or
Amersham Corp. Model
IMC.P2 in source holder)

K. Two sources not
to exceed 300
millicuries each

L. Iodine-125

L. Sealed source
(AECL Model C-324)

L. Two sources not
to exceed 200
millicuries each

9. Authorized Use

- I. One source to be used in a Lunar Radiation Corp. Model DP3 spine scanner for bone mineral analysis in humans. One source to be stored in its shipping container for source replacement purposes.
- J. One source to be used in a Nuclear Data Model ND2100 scanner for bone mineral analysis in humans. One source to be stored in its shipping container for source replacement purposes.
- K. One source to be used in a Lunar Radiation Corp. Model SP2 bone mineral analyzer for analysis of bone mineral content in humans. One source to be stored in its shipping container for source replacement purposes.
- L. One source to be used in a Nuclear Data Model ND1100 bone mineral analyzer for analysis of bone mineral content in humans. One source to be stored in its shipping container for source replacement purposes.

8511180030 851011
REQ3 LIC30
12-03567-02 PDR

11 COPY

2 ml 30

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License number

12-03567-02

Docket or Reference number

030-01450

Amendment No. 47

Conditions 12. and 22. are amended to read:

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

Robert S. Malcolm, M.D.

Groups I through VI

Xenon-133

Gadolinium-153 and iodine-125 in
bone mineral analyzers

Craig A. Fenton, M.D.

Groups I through V

Xenon-133

Gadolinium-153 and iodine-125 in
bone mineral analyzers

Irving J. Weigenberg, M.D.

Groups IV, V and VI

Eric Frow

In vitro studies

Revathi Swaminathan, M.D.

Group VI

John J. Taraska, M.D.

Group I

In vitro studies

Bernard Rogers, M.D.

Group VI

22. 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 applications dated February 25, 1983, February 13, 1985 and August 1, 1985; letters dated May 13, 1982, November 8, 1982, and February 23, 1983; and Model ALARA Program as 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.

Conditions 23. and 24. are added:

23. Sealed sources containing licensed material shall not be opened or removed from their respective source holders by the licensee.
24. The licensee shall perform source installations and replacements in accordance with the manufacturer's procedures for the bone mineral analyzers.

For the U.S. Nuclear Regulatory Commission

OCT 11 1985

Date _____

Original Signed
By Cassandra McDonald
Materials Licensing Section, Region III

COPY