

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. Unogen, Inc.

3. License number 45-23087-01

2. 1500 Avon Street Extended
Charlottesville, Virginia 22901

4. Expiration date July 31, 1990

5. Docket or
Reference No. 030-28730

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. Hydrogen 3
- B. Carbon 14
- C. Phosphorous 32
- D. Sulfur 35
- E. Strontium 90
- F. Cesium 137

- A. Any
- B. Any
- C. Any
- D. Any
- E. Encapsulated Sources
- F. Encapsulated

- A. 65 millicuries
- B. 65 millicuries
- C. 160 millicuries
- D. 300 millicuries
- E. 0.01 millicurie
- F. 0.01 millicurie

9. Authorized use

A through D. Laboratory research and development studies.
E and F. Instrument calibration and testing.

CONDITIONS

- 10. Licensed material shall be used only at the licensee's facilities at 1500 Avon Street Extended, Charlottesville, Virginia.
- 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. A. Licensed material shall be used by, or under the supervision of,
Debra L. Bryant, Ph.D. or Michael P. Woodward, Ph.D.
- B. The Radiation Protection Officer for the activities authorized by this license
is Debra L. Bryant, Ph.D.

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MATERIALS LICENSE
SUPPLEMENTARY SHEET

License number

45-23087-01

Docket or Reference number

030-28730

(cont'd)

CONDITIONS

13. Sealed sources containing licensed material shall not be opened.
14. Licensed material shall not be used in or on human beings or in products distributed to the public.
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 May 31, 1985 and letter dated September 3, 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

EARL G. WRIGHT

Date SEP 18 1985

By

Earl G. Wright

Region II, Nuclear Materials
Safety Section

101 Marietta Street, Suite 2900
Atlanta, GA 30323