



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION I
475 ALLENDALE ROAD
KING OF PRUSSIA, PENNSYLVANIA 19406-1415

June 1, 2005

Docket No. 03036545
Control No. 136962

License No. 29-30906-01

Maxwell Stock
Vice President
Signum Biosciences, Inc.
1 Deer Park Drive
Monmouth Junction, NJ 08852

SUBJECT: SIGNUM BIOSCIENCES, INC., LICENSE AMENDMENT, CONTROL NO.
136962

Dear Mr. Stock:

This refers to your license amendment request. Enclosed with this letter is the amended license.

Please review the enclosed document carefully and be sure that you understand and fully implement all the conditions incorporated into the amended license. If there are any errors or questions, please notify the U.S. Nuclear Regulatory Commission, Region I Office, Licensing Assistance Team, (610) 337-5239, so that we can provide appropriate corrections and answers.

An environmental assessment for this action is not required, since this action is categorically excluded under 10 CFR 51.22(c)(14).

Current NRC regulations and guidance are available at the NRC web site at <http://www.nrc.gov/materials/miau/mat-toolkits.html> and <http://www.nrc.gov/who-we-are/governing-laws.html> or by contacting the Government Printing Office (GPO) toll-free at 1-888-293-6498. The GPO is open from 7:00 a.m. to 9:00 p.m. EST, Monday through Friday (except Federal holidays).

Thank you for your cooperation.

Sincerely,

Original signed by Elizabeth Ullrich

Betsy Ullrich
Senior Health Physicist
Commercial and R&D Branch
Division of Nuclear Materials Safety

Enclosure:
Amendment No. 3

cc:

M. Stock
Signum Biosciences, Inc.

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Scott Dennerlein, Radiation Safety Officer

M. Stock
Signum Biosciences, Inc.

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OFFICE	DNMS/RI	N	DNMS/RI	N	DNMS/RI			
NAME	JNicholson/JJN		EUllrich/EXU					
DATE	06/01/2005		06/01/2005					

OFFICIAL RECORD COPY

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.

<p>Licensee</p> <p>1. Signum Biosciences, Inc.</p> <p>2. 1 Deer Park Drive Monmouth Junction, NJ 08852</p>	<p>In accordance with the letter dated May 6, 2005,</p> <p>3. License number 29-30906-01 is amended in its entirety to read as follows:</p> <p>4. Expiration date May 31, 2014</p> <p>5. Docket No. 03036545 Reference No.</p>	
<p>6. Byproduct, source, and/or special nuclear material</p> <p>A. Hydrogen 3</p> <p>B. Carbon 14</p> <p>C. Phosphorus 32</p>	<p>7. Chemical and/or physical form</p> <p>A. Non-volatile Compounds</p> <p>B. Non-volatile Compounds</p> <p>C. Non-volatile Compounds</p>	<p>8. Maximum amount that licensee may possess at any one time under this license</p> <p>A. 50 millicuries</p> <p>B. 50 millicuries</p> <p>C. 10 millicuries</p>
<p>9. Authorized use:</p> <p>A. through C. Research and development as defined in 10 CFR 30.4.</p>		

CONDITIONS

10. Licensed material may be used or stored only at the licensee's facilities located at 1 Deer Park Drive, Monmouth Junction, New Jersey
11. Licensed material shall be used by, or under the supervision of, Scott Dennerlein and Gopal Sarngadharan.
12. The Radiation Safety Officer for this license is Scott Dennerlein.
13. The licensee shall not use licensed material in or on human beings.
14. The licensee shall not use licensed material in field applications where it is released except as provided otherwise by specific condition of this license.

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**License Number
29-30906-01Docket or Reference Number
03036545

Amendment No. 3

15. The licensee is authorized to transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."
16. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below. The U.S. Nuclear Regulatory Commission's regulations shall govern unless the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.
- A. Letter dated May 4, 2004 with revised application dated March 30, 2004 (ML041320142)
 - B. Facsimile dated May 17, 2004 (ML041390533)



For the U.S. Nuclear Regulatory Commission

Date June 1, 2005

By

Original signed by Elizabeth Ullrich

Elizabeth Ullrich
Commercial and R&D Branch
Division of Nuclear Materials Safety
Region I
King of Prussia, Pennsylvania 19406