

January 31, 2005

Licensing Assistant Section
Nuclear Materials Safety Branch
U.S. Nuclear Regulatory Commission, Region I
475 Allendale Road
King of Prussia, PA 19406-1415

Amendment request for NRC License #29-30906-01 03036545

Dear Sir/Madam,

Signum Biosciences requests an amendment to the above referenced license. Please add bound/non-volatile carbon-14 as an approved radionuclide, with a possession limit of 50 millicuries. Also increase the hydrogen-3 possession limit to 50 millicuries.

Signum Biosciences also proposes to name Gopal Samgadharan, as an authorized user. His radioactive material handling experience record is attached.

Thank you in advance for your time and effort. Do not hesitate to contact me at 732 329-6344 if you have any questions.

Sincerely,



Maxwell Stock

RECEIVED
REGION 1
05 MAR 14 11:53

136695

**Radioactive Material
Handling Experience Record**

Name: *Gopal Sarngadharan* Title: *Technical Staff*
 Room # Telephone Ext. *212*

Formal Radiation Training:

College/University Courses:
AP Physics, 1995-96, AP Chemistry, 1994-95

Short Courses: (indicate duration)

In-house Training:

Princeton University Radiation Training February 2004
University of Pennsylvania Radiation Training May 2003
NIH Radiation Training Summer 1997

Specific isotope usage:

Nuclide	Chemical form	Physical form	Maximum Quantity	
			per experiment	total possession
<i>³H</i>	<i>Serine</i>	<i>liquid</i>	<i>7mCi</i>	<i>7mCi</i>
<i>³⁵S</i>	<i>Cysteine</i>	<i>liquid</i>		<i>7mCi</i>
<i>³²P</i>	<i>Cyto dCTP</i>	<i>liquid</i>		

Radiation detection equipment experience: (circle all that apply)

- Beta survey meter
- low energy gamma detector
- well crystal detector
- Dose rate meter
- high energy gamma detector
- liquid scintillation counter

Reviewed by *[Signature]* Title *RSO* Date *2/3/05*

This is to acknowledge the receipt of your letter/application dated

11/31/2005 (Received on 3/14/2005) and to inform you that the initial processing which includes an administrative review has been performed.

29-30906-01 There were no administrative omissions. Your application was assigned to a technical reviewer. Please note that the technical review may identify additional omissions or require additional information.

Please provide to this office within 30 days of your receipt of this card

A copy of your action has been forwarded to our License Fee & Accounts Receivable Branch, who will contact you separately if there is a fee issue involved.

Your action has been assigned Mail Control Number 136695.
When calling to inquire about this action, please refer to this control number.
You may call us on (610) 337-5398, or 337-5260.

(FOR LFMS USE)
INFORMATION FROM LTS

BETWEEN:

License Fee Management Branch, ARM
and
Regional Licensing Sections

: Program Code: 03620
: Status Code: 0
: Fee Category: 3M
: Exp. Date: 20140531
: Fee Comments: _____
: Decom Fin Assur Req: N
:

LICENSE FEE TRANSMITTAL

A. REGION 1

1. APPLICATION ATTACHED

Applicant/Licensee: SIGNUM BIOSCIENCES, INC.
Received Date: 20050314
Docket No: 3036545
Control No.: 136695
License No.: 29-30906-01
Action Type: Amendment

2. FEE ATTACHED

Amount: /
Check No.: /

3. COMMENTS

Signed Rebecca J. Finch
Date 4/11/2005

B. LICENSE FEE MANAGEMENT BRANCH (Check when milestone 03 is entered /__/)

1. Fee Category and Amount: _____

2. Correct Fee Paid. Application may be processed for:

Amendment _____
Renewal _____
License _____

3. OTHER _____

Signed _____
Date _____