

U.S. NUCLEAR REGULATORY COMMISSION

Amendment No. 02

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

1. IBA Molecular North America, Inc.

2. 21000 Atlantic Boulevard

Suite No. 730

Dulles, Virginia 20166

In accordance with letter dated **June 2, 2011**

3. License number 45-25221-05 is amended in its entirety to read as follows:

4. Expiration date November 30, 2019

5. Docket No. 030-38113

Reference No.

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. Nitrogen-13

A. Any

A. 3 curies

B. Fluorine-18

B. Any

B. 60 curies

C. Any byproduct material with Atomic Numbers 1 through 83

C. Any

C. 2 curies per radionuclide and 2 curies total

D. Any byproduct material with Atomic Numbers 1 through 83

D. Incidentally activated products

D. 3.5 curies per radionuclide and 3.5 curies total

E. Any byproduct material authorized under 10 CFR 35.65(a)

E. Sealed sources

E. 50 millicuries

9. Authorized use:

A. through C. Preparation and distribution of radiochemicals to persons authorized to receive the licensed material pursuant to the terms and conditions of specific licenses issued by the U. S. Nuclear Regulatory Commission or any Agreement State.

D. Possession and storage only of byproduct materials incidental to radionuclide production.

E. Calibration and checking of the licensee's instruments.

CONDITIONS10. Licensed material may be used or stored at the licensee's facilities located at 8614 NW 107th Terrace, Kansas City, Missouri.

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11. Licensed material shall be used by, or under the supervision of, the following cyclotron operators: John Armbruster, Ahmed Baker, Bonnie Bennington, Philippa Brisard, John Chadwick, Sky Ciu, Otto S. Garcia, Sr., Christen Garner, Robert Hallgren, Todd Heiskell, Victor Holguin, Frank Iverson, Edward Jacobs, Gary Kenny, Max Kiselev, Duc Lai, David Lamont, Marty Mageri, Johnny McNeil, Manuel Melgoza, Tim Neal, Al Parra, Alba Perez, Bobby Perez, Frery Perez, Jay Pfeiffer, Timothy Pisarczyk, Ernesto Samuel, Eric Schreiner, Thomas Seimer, Richard Shaw, Tommy Sjarief, Robert Symons, Linwood Tucker, Ken Voelker, Frank Vraniak and Bob Ylimaki; and the following authorized nuclear pharmacists: Melissa Achey, R.Ph.; David A. Askew, R.Ph.; Mike Battaglia, R.Ph.; William Boerger, R.Ph.; Jeffrey Brannock, R.Ph.; Lynn Chwojdak; Frank Devine, R.Ph.; Darrell R. Harvey, R.Ph.; Hayden Parker Honeycutt, Pharm.D.; Brian Host, Pharm.D.; Homan Jarrar, R.Ph.; Mark Juarez, R.Ph.; Frank Kalisz, R.Ph.; Akram Kildani, R.Ph.; Hijin Angela Kim, Pharm.D.; Thomas Lewis, R.Ph.; Ronald Lough, R.Ph.; Serge Lyashchenko, Pharm.D.; Kirk Lydell McCall, R.Ph.; Kelli Rae Myers, Pharm.D.; Mark McIntyre, R.Ph.; Darren J. Patti, Pharm.D.; Jamie L. Perry, R.Ph.; Jay Justin Pfeiffer, R.Ph.; Nasrin Pourkiani, R.Ph.; Shannon Lee Pratschler, R.Ph.; Bradley Richardson, R.Ph.; Michael Roberts; Ernesto Samuel, R.Ph.; Richard Shaw, R.Ph.; Sarah Skeele, Pharm.D.; Mark Soffing, R.Ph., BCNP; Michael C. Tingler, Pharm.D.; Sally Duann Vanderslice, R.Ph., BCNP; Henry Wielgosz, R.Ph.; and Derick Young, R.Ph.
12. The Radiation Safety Officer for this license is Michael Roberts.
13. This license does not authorize distribution to persons licensed pursuant to 10 CFR 32.72 or 32.74; to persons exempt from licensing; or to general licensees.
14. The licensee shall not use licensed material in or on human beings.
15. The licensee is authorized to hold byproduct material with a physical half-life of less than or equal to 120 days for decay in storage before disposal without regard to its radioactivity if the licensee:
- A. Monitors byproduct material at the surface before disposal and determines that its radioactivity cannot be distinguished from the background radiation level with an appropriate radiation detection survey meter set on its most sensitive scale and with no interposed shielding;
 - B. Removes or obliterates all radiation labels, except for radiation labels on materials that are within containers and that will be managed as biomedical waste after they have been released from the licensee; and
 - C. Maintains records of the disposal of licensed materials for 3 years. The record must include the date of disposal, the survey instrument used, the background radiation level, the radiation level measured at the surface of each waste container, and the name of the individual who performed the disposal.
16. The licensee is authorized to transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."

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17. 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.

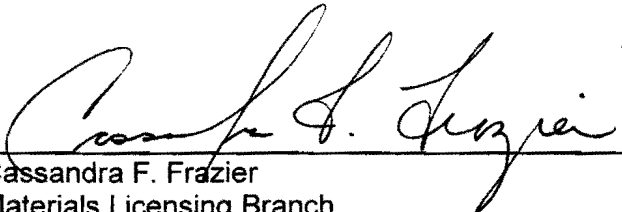
- A. Application dated August 6, 2009; and
- B. Letters dated November 2, 2009 and **June 2, 2011**.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

JUL 21 2011

Date _____

By _____


Cassandra F. Frazier
Materials Licensing Branch
Region III