

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. Cardiology Diagnostics, Ltd.</p> <p>2. 2325 Dougherty Ferry Road St. Louis, MO 63122</p>	<p>In accordance with letter dated <u>318264</u> June 15, 2009,</p> <p>3. License number 24-32314-01 is amended in its entirety to read as follows:</p> <p>4. Expiration date <u>October 31, 2011</u></p> <p>5. Docket No. <u>030-35804</u></p> <p>Reference No.</p>
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| <p>6. Byproduct, source, and/or special nuclear material</p> <p>A. Any byproduct material permitted by 10 CFR 35.100</p> <p>B. Any byproduct material permitted by 10 CFR 35.200</p> | <p>7. Chemical and/or physical form</p> <p>A. Any</p> <p>B. Any</p> | <p>8. Maximum amount that licensee may possess at any one time under this license</p> <p>A. As needed</p> <p>B. As needed</p> |
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9. Authorized Use:

- A. Any uptake, dilution and excretion study permitted by 10 CFR 35.100.
- B. Any imaging and localization study permitted by 10 CFR 35.200 limited to cardiovascular clinical studies.

CONDITIONS

10. Licensed material shall be used only at the licensee's facilities located at 2325 Dougherty Ferry Road, Suite 204, St. Louis, Missouri.
11. The Radiation Safety Officer for this license is Diana L. Westerfield, D.O.

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030-35804

Amendment No. 06

12. Licensed material is only authorized for use by, or under the supervision of:

A. Individuals permitted to work as an authorized user, authorized nuclear pharmacist, and/or authorized medical physicist in accordance with 10 CFR 35.13 and 35.14.

B. The following individuals are authorized users for medical use as indicated:

Authorized UserMaterial and Use

Diana L. Westerfield, D.O.

10 CFR 35.100 and 35.200.

Martin B. Ast, M.D.

10 CFR 35.100 and 35.200.

Andrea K. Moyer, M.D.

10 CFR 35.100 and 35.200.

Ronald A. Weiss, M.D.**10 CFR 35.100 and 35.200.**

13. In addition to the possession limits in Item 8, the licensee shall further restrict the possession of licensed material to quantities below the minimum limit specified in 10 CFR 30.35(d) for establishing decommissioning financial assurance.

14. 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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15. 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, except for minor changes in the medical use radiation safety procedures as provided in 10 CFR 35.26. 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 March 14, 2001 (with attachments, excluding request for Martin Ast, M.D. as an authorized user);
 - B. Letters dated August 2, 2001, excluding request for Martin Ast, M.D. as an authorized user and February 28, 2002, July 14, 2005, **June 15, 2009**;
 - C. Facsimile received on August 1, 2001;
 - D. Facsimile letter dated May 8, 2002 (with attached sketch); and
 - E. Letter received September 11, 2003.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date

AUG 31 2009

By

Toye L. Simmons
Materials Licensing Branch
Region III