



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

April 20, 2007

Docket No. 03037319  
Control No. 140338

License No. 37-31179-01

Jeffrey Mandler  
President  
Cardiovascular Solutions, Inc.  
1015 Chestnut Street  
Jefferson Building  
Suite 1400  
Philadelphia, PA 19107

SUBJECT: CARDIOVASCULAR SOLUTIONS, INC., LICENSE AMENDMENT, CONTROL  
NO. 140338

Dear Mr. Mandler:

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 included on the NRC's website at [www.nrc.gov](http://www.nrc.gov); select **Nuclear Materials; Medical, Industrial, and Academic Uses of Nuclear Material**; then **Regulations, Guidance, and Communications**. Or you may obtain these documents 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 Steven Courtemanche***

Steven Courtemanche  
Health Physicist  
Commercial and R&D Branch  
Division of Nuclear Materials Safety

Enclosure:  
Amendment No. 2

J. Mandler  
Cardiovascular Solutions, Inc.

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cc:  
Kevin F. Smith, Ph.D., Radiation Safety Officer

DOCUMENT NAME: C:\FileNet\ML071160160.wpd

**SUNSI Review Complete: SCourtemanche**

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NAME	SCourtemanche /SRC/						
DATE	04/20/2007						

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**MATERIALS LICENSE**

**Amendment No. 2**

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 style="text-align: center;">Licensee</p> <p>1. Cardiovascular Solutions, Inc.</p> <p>2. 1015 Chestnut Street Jefferson Building, Suite 1400 Philadelphia, PA 19107</p>	<p>In accordance with letter dated April 4, 2007,</p> <p>3. License number 37-31179-01 is amended in its entirety to read as follows:</p> <hr/> <p>4. Expiration date August 31, 2016</p> <hr/> <p>5. Docket No. 030-37319 Reference No.</p>
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|---|----------------------------------|--|
| 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. Any byproduct material permitted by 10 CFR 35.200  | A. Any                           | A. As needed   |

9. Authorized use:
- A. Any imaging and localization study permitted by 10 CFR 35.200.

**CONDITIONS**

10. Licensed material may be used or stored only at the licensee's facilities located at 1015 Chestnut Street, Jefferson Building, Suite 1400, Philadelphia, Pennsylvania and 400 Gill Lane, Iselin, New Jersey.
11. The Radiation Safety Officer for this license is Kevin F. Smith, Ph.D.
12. Licensed material is only authorized for use by, or under the supervision of:
- A. Individuals permitted to work as an authorized user in accordance with 10 CFR 35.13 and 35.14.
- B. The following individuals are authorized users for medical use as indicated:

Authorized Users

Material and Use

Riaz Baqir, M.D.

35.200

**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**License Number  
37-31179-01Docket or Reference Number  
030-37319

Amendment No. 2

P. Todd Makler, Jr., M.D. 35.200

Joel S. Raichlen, M.D. 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."
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. This license condition applies only to those procedures that are required to be submitted in accordance with the regulations. Additionally, this license condition does not limit the licensee's ability to make changes to the radiation protection program as provided for 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 August 2, 2006 (ML062270100)  
B. Facsimile dated August 24, 2006 (ML062360432)  
C. Letter dated April 4, 2007 (ML070960370)

For the U.S. Nuclear Regulatory Commission

Date April 20, 2007

By

***Original signed by Steven Courtemanche***Steven Courtemanche  
Commercial and R&D Branch  
Division of Nuclear Materials Safety  
Region I  
King of Prussia, Pennsylvania 19406