



207 Lange Drive
Washington, MO 63090
Toll Free: 888-239-3510
FAX: 636-239-6221
www.uni-med.com

Mr. Michael G. Wiese
Radiation Safety Officer

Mr. James R. Mullauer
NRC Inspector
U.S. Nuclear Regulatory Commission
Region III
2443 Warrenville Road, Suite 210
Lisle, IL 60532-4351

May 4, 2006

Dear Mr. James R. Mullauer,

This letter is to inform you that wipe tests and an exit survey have been completed for the old hot lab location. All sealed sources were leak tested. The old hot lab Walls and Floor have been wipe tested. No contamination was detected. The hot lab was moved to new location on May 1, 2006.

Please review enclosed documents so that the old hot lab location may be closed out and released for other uses.

License # 24-32189-01 / Docket # 030-35121. Please expedite these amendments as soon as possible.

If additional information is required or you have any questions please contact **Michael G. Wiese RSO at 888-239-3510 extension 24.**

Sincerely,

Michael G. Wiese
Radiation Safety Officer

Enc: Copy of current License.
Old Hot lab Exit Survey
12 copies of Sealed Source Leak Tests results
2 copies of Old Hot lab Wipe tests results

RECEIVED MAY 1 12 2006

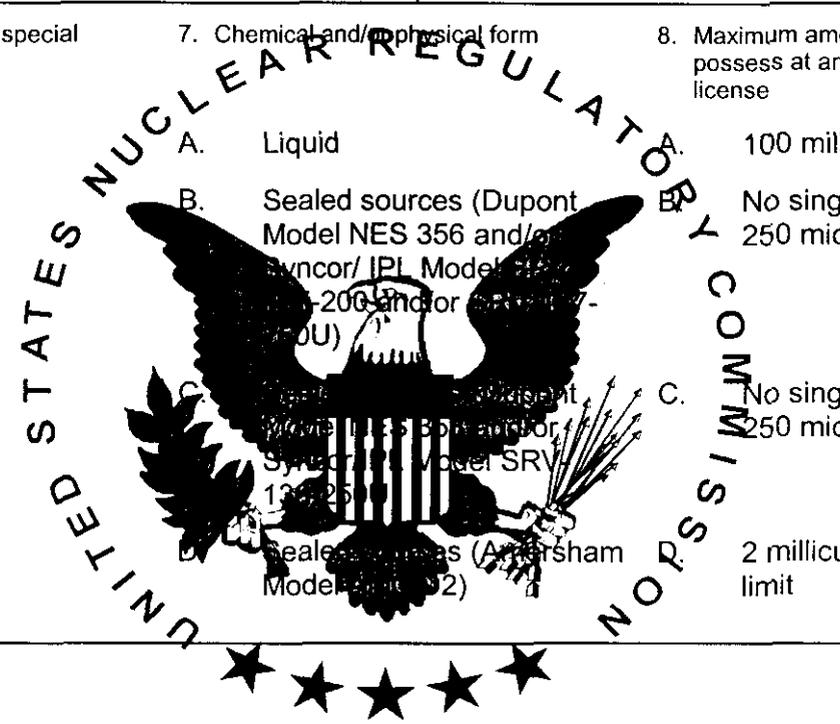
MATERIALS LICENSE

Amendment No. 02

In accordance with 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. Universal Medical Resources, Inc.</p> <p>2. 207 Lange Dr. Washington, MO 63090</p>	<p>In accordance with letter dated January 30, 2006,</p> <p>3. License number 24-32189-01 is amended in its entirety to read as follows:</p> <hr/> <p>4. Expiration date September 30, 2009</p> <hr/> <p>5. Docket No. 030-35121 Reference No.</p>
--	---

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. Technetium-99m	A. Liquid	100 millicuries
B. Cesium-137	B. Sealed sources (Dupont Model NES 356 and/or Sincor/IPL Model SR-200 and/or SR-200U)	No single source to exceed 250 microcuries
C. Barium-133	C. Sealed sources (Amersham Model SR 133-25)	No single source to exceed 250 microcuries
D. Americium-241	D. Sealed sources (Amersham Model SR 241-02)	2 millicuries total possession limit



<p>9. Authorized use:</p> <p>A. through D. For testing response and performance systems of gamma cameras.</p>

CONDITIONS

10. Licensed material may only be used at the licensee's facilities located at 207 Lange Drive, Washington, MO.

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License Number
24-32189-01

Docket or Reference Number
030-35121

Amendment No. 02

11. A. Radiation Safety Officer, (RSO): Michael Wiese
- B. Assistant Radiation Safety Officer during the absence of the RSO: Jason Kitchell
12. **License material may only be used by or under the supervision of Michael G. Wiese, Jason Kitchell, Michael Hill, Rob Rogers, James Wood and Chad Watson.**
13. A. Sealed sources shall be tested for leakage and/or contamination at intervals not to exceed 6 months or at such other intervals as specified by the certificate of registration referred to in 10 CFR 32.210.
- B. In the absence of a certificate from a transferor indicating that a leak test has been made within 6 months prior to the transfer, a sealed source received from another person shall not be put into use until tested.
- C. Sealed sources need not be leak tested if:
- (i) they contain not more than 100 microcuries of beta and/or gamma emitting material or not more than 10 microcuries of alpha emitting material; or
 - (ii) they are in storage, and are not being used. However, when they are removed from storage for use or transferred to another person, and have not been tested within the required leak test interval, they shall be tested before use. If a transfer of a sealed source shall be stored for a period of more than 10 years, the source shall be tested for leakage and/or contamination.
- D. The leak test shall be capable of detecting the presence of 0.005 microcurie (185 becquerels) of radioactive material on the test sample. If the test reveals the presence of 0.005 microcurie (185 becquerels) or more of removable contamination, a report shall be filed with the U.S. Nuclear Regulatory Commission in accordance with 10 CFR 30.50(c)(2), and the source shall be removed immediately from service and decontaminated, repaired, or disposed of in accordance with Commission regulations.
- E. Tests for leakage and/or contamination shall be performed by by other persons specifically licensed by the Commission or an Agreement State to Perform such services.
14. Sealed sources containing licensed material shall not be opened or sources removed from source holders by the licensee.

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License Number
24-32189-01

Docket or Reference Number
030-35121

Amendment No. 02

15. The licensee is authorized to hold radioactive material with a physical half-life of less than 120 days for decay-in-storage before disposal in ordinary trash provided:
- Before disposal as ordinary trash, byproduct material shall be surveyed at the container surface with the appropriate meter set on its most sensitive scale and with no interposed shielding to determine that its radioactivity cannot be distinguished from background. All radiation labels shall be removed or obliterated.
 - A record of each disposal permitted under this License Condition shall be retained for 3 years. The record must include the date of disposal, the date on which the byproduct material was placed in storage, the radionuclides disposed, the survey instrument used, the background dose rate, the dose rate measured at the surface of each waste container, and the name of the individual who performed the disposal.
16. The licensee shall not use licensed material in or on humans.
17. In addition to the possession limits in Item 8, the licensee shall further restrict the possession of licensed material to quantities below the retention limit specified in 10 CFR 30.35(d) for establishing decommissioning financial assurance.
18. The licensee shall conduct a physical inventory every 6 months or at other intervals approved by NRC, to account for all sources and/or devices under the license.
19. Except as specifically provided otherwise, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below. The NRC's regulations shall govern unless the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.
- Application dated June 1, 1999; and
 - Letters dated August 25, 1999 and January 30, 2006.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date MAR 24 2006

By James R. Mullauer
James R. Mullauer, M.H.S.
Materials Licensing Branch
Region III

OLD HOTLAB EXIT SURVEY

Survey meter Background reading: ≤ 20cpm

Survey meter Walls reading: ≤ 20cpm

Survey meter Floor reading: ≤ 20cpm

Surveyed by: MICHAEL WIESE on 5-1-06

All **SEALED SOURCES** were wipe tested on: 4-24-06

Old Hot lab **WALLS** and **FLOOR** were wiped tested on: 4-24-06

Hot lab was moved to new location on: 5-1-06

RSO Michael Wiese Date: 5-1-06

V1.0

CERTIFICATE OF LEAK TEST

Universal Medical Resources Inc.
207 Lange Drive
Washington, MO 63090

This sealed source was tested for leakage of its radioactive material as follows:

Manufacturer:	North American Scientific	Serial #:	G727
Model #:	IND1605	millicuries:	2
Radioisotope:	Co-57	Tested By:	Michael G. Wiese
Source Location:	hot lab	Test Number:	042406-01
Test Date:	4/24/06		

The total removable amount of activity was analyzed to be:

0.0000 microcuries

Laboratory Analysis Number AAK977 **Method:** Wipe Other

Analysis indicated 0.005 microcurie or more of removable radioactivity. NRC/Agreement State regulations require that the source be removed from service and decontaminated or repaired or replaced as appropriate. Notify the proper regulatory agency about leaking source.

Analysis indicated less than 0.005 microcurie of removable radioactivity. The source may continue to be properly used. The source is due for leak testing on or before: **24-Oct-06**.

Analyzed By:

Approved By:

Signature: _____

Name: Wallace R. Loder, Jr.

Date: 28-Apr-06

Signature: _____

Name: Wallace R. Loder, Jr.

Title: Radiation Safety Officer

This certificate should be retained for inspection by appropriate regulatory agency.

The above analysis was performed on a Packard Instruments 2300TR Liquid Scintillation Counter.
It is calibrated by a NIST traceable standard for the isotope defined above.

This Leak Test Evaluation is authorized by the
State of Ohio Department of Health
Bureau of Radiation Protection
License # 03225180072

CERTIFICATE OF LEAK TEST

Universal Medical Resources Inc.
207 Lange Drive
Washington, MO 63090

This sealed source was tested for leakage of its radioactive material as follows:

Manufacturer:	NASC	Serial #:	C841
Model #:	IND1604	millicuries:	0.595
Radioisotope:	Co-57	Tested By:	Michael G. Wiese
Source Location:	hot lab	Test Number:	042406-03
Test Date:	4/24/06		

The total removable amount of activity was analyzed to be:

0.0000 microcuries

Laboratory Analysis Number AAK979 **Method:** X Wipe Other

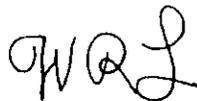
 Analysis indicated 0.005 microcurie or more of removable radioactivity. NRC/Agreement State regulations require that the source be removed from service and decontaminated or repaired or replaced as appropriate. Notify the proper regulatory agency about leaking source.

 X Analysis indicated less than 0.005 microcurie of removable radioactivity. The source may continue to be properly used. The source is due for leak testing on or before: **24-Oct-06**.

Analyzed By:

Approved By:

Signature: _____



Name: Wallace R. Loder, Jr.

Date: 28-Apr-06

Signature: _____



Name: Wallace R. Loder, Jr.

Title: Radiation Safety Officer

This certificate should be retained for inspection by appropriate regulatory agency.

The above analysis was performed on a Packard Instruments 2300TR Liquid Scintillation Counter.
It is calibrated by a NIST traceable standard for the isotope defined above.

This Leak Test Evaluation is authorized by the
State of Ohio Department of Health
Bureau of Radiation Protection
License # 03225180072

CERTIFICATE OF LEAK TEST

Universal Medical Resources Inc.
207 Lange Drive
Washington, MO 63090

This sealed source was tested for leakage of its radioactive material as follows:

Manufacturer:	IPL	Serial #:	PP-680
Model #:	PP-680	millicuries:	15
Radioisotope:	Co-57	Tested By:	Michael G. Wiese
Source Location:	hot lab	Test Number:	042406-05
Test Date:	4/24/06		

The total removable amount of activity was analyzed to be:

0.0000 microcuries

Laboratory Analysis Number AAK981 **Method:** X Wipe Other

 Analysis indicated 0.005 microcurie or more of removable radioactivity. NRC/Agreement State regulations require that the source be removed from service and decontaminated or repaired or replaced as appropriate. Notify the proper regulatory agency about leaking source.

 X Analysis indicated less than 0.005 microcurie of removable radioactivity. The source may continue to be properly used. The source is due for leak testing on or before: **24-Oct-06**.

Analyzed By:

Approved By:

Signature: _____



Name: Wallace R. Loder, Jr.

Date: 28-Apr-06

Signature: _____



Name: Wallace R. Loder, Jr.

Title: Radiation Safety Officer

This certificate should be retained for inspection by appropriate regulatory agency.

The above analysis was performed on a Packard Instruments 2300TR Liquid Scintillation Counter.

It is calibrated by a NIST traceable standard for the isotope defined above.

This Leak Test Evaluation is authorized by the
State of Ohio Department of Health
Bureau of Radiation Protection
License # 03225180072

CERTIFICATE OF LEAK TEST

Universal Medical Resources Inc.
207 Lange Drive
Washington, MO 63090

This sealed source was tested for leakage of its radioactive material as follows:

Manufacturer:	NASC	Serial #:	B0194
Model #:	MED3708	millicuries:	10
Radioisotope:	Co-57	Tested By:	Michael G. Wiese
Source Location:	hot lab	Test Number:	042406-06
Test Date:	4/24/06		

The total removable amount of activity was analyzed to be:

0.0000 microcuries

Laboratory Analysis Number AAK982 **Method:** X Wipe Other

 Analysis indicated 0.005 microcurie or more of removable radioactivity. NRC/Agreement State regulations require that the source be removed from service and decontaminated or repaired or replaced as appropriate. Notify the proper regulatory agency about leaking source.

 X Analysis indicated less than 0.005 microcurie of removable radioactivity. The source may continue to be properly used. The source is due for leak testing on or before: **24-Oct-06**.

Analyzed By:

Approved By:

Signature: _____



Name: Wallace R. Loder, Jr.

Date: 28-Apr-06

Signature: _____



Name: Wallace R. Loder, Jr.

Title: Radiation Safety Officer

This certificate should be retained for inspection by appropriate regulatory agency.

The above analysis was performed on a Packard Instruments 2300TR Liquid Scintillation Counter.
It is calibrated by a NIST traceable standard for the isotope defined above.

This Leak Test Evaluation is authorized by the
State of Ohio Department of Health
Bureau of Radiation Protection
License # 03225180072

CERTIFICATE OF LEAK TEST

Universal Medical Resources Inc.
207 Lange Drive
Washington, MO 63090

This sealed source was tested for leakage of its radioactive material as follows:

Manufacturer:	Amersham	Serial #:	4487LC
Model #:	4487LC	millicuries:	2
Radioisotope:	Co-57	Tested By:	Michael G. Wiese
Source Location:	hot lab S	Test Number:	042406-07
Test Date:	4/24/06		

The total removable amount of activity was analyzed to be:

0.0000 microcuries

Laboratory Analysis Number AAK983 **Method:** **Wipe** **Other**

Analysis indicated 0.005 microcurie or more of removable radioactivity. NRC/Agreement State regulations require that the source be removed from service and decontaminated or repaired or replaced as appropriate. Notify the proper regulatory agency about leaking source.

Analysis indicated less than 0.005 microcurie of removable radioactivity. The source may continue to be properly used. The source is due for leak testing on or before: **24-Oct-06**.

Analyzed By:

Approved By:

Signature: _____



Name: Wallace R. Loder, Jr.

Date: 28-Apr-06

Signature: _____



Name: Wallace R. Loder, Jr.

Title: Radiation Safety Officer

This certificate should be retained for inspection by appropriate regulatory agency.

The above analysis was performed on a Packard Instruments 2300TR Liquid Scintillation Counter.

It is calibrated by a NIST traceable standard for the isotope defined above.

This Leak Test Evaluation is authorized by the
State of Ohio Department of Health
Bureau of Radiation Protection
License # 03225180072

CERTIFICATE OF LEAK TEST

Universal Medical Resources Inc.
207 Lange Drive
Washington, MO 63090

This sealed source was tested for leakage of its radioactive material as follows:

Manufacturer:

Model #:

Serial #:

Radioisotope: Various

millicuries:

Source Location: Old hot lab floor exit survey

Tested By: Michael G. Wiese

Test Date: 4/24/06

Test Number: 042406-14

The total removable amount of activity was analyzed to be:

0.0000 microcuries

Laboratory Analysis Number AAK990

Method: Wipe Other

Analysis indicated 0.005 microcurie or more of removable radioactivity. NRC/Agreement State regulations require that the source be removed from service and decontaminated or repaired or replaced as appropriate. Notify the proper regulatory agency about leaking source.

Analysis indicated less than 0.005 microcurie of removable radioactivity. The source may continue to be properly used. The source is due for leak testing on or before: **24-Oct-06**.

Analyzed By:

Approved By:

Signature: _____



Name: Wallace R. Loder, Jr.

Date: 28-Apr-06

Signature: _____



Name: Wallace R. Loder, Jr.

Title: Radiation Safety Officer

This certificate should be retained for inspection by appropriate regulatory agency.

The above analysis was performed on a Packard Instruments 2300TR Liquid Scintillation Counter.

It is calibrated by a NIST traceable standard for the isotope defined above.

This Leak Test Evaluation is authorized by the
State of Ohio Department of Health
Bureau of Radiation Protection
License # 03225180072

