

**SPECTRUM HEALTH**

Spectrum Health Butterworth Hospital  
100 Michigan Street NE  
Grand Rapids, MI 49503-2560  
616.391.1774 fax 616.391.2745  
spectrum-health.org

September 3, 2010

Materials Licensing Branch  
USNRC, Region III  
2443 Warrenville Road, Suite 210  
Lisle, Illinois 60532-4352

**USNRC License No. 21-00243-06**

Dear Sir or Madam:

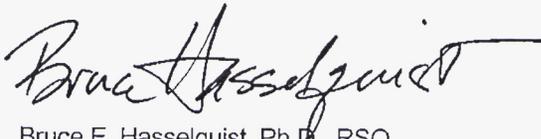
Pursuant to 10 CFR31.5, this letter is to notify you that we have disposed of the generally licensed nickel-63 source in the ECD (electron capture detector) identified on the attached correspondence between Spectrum Health and Agilent Technologies, Inc. I have also included a copy of the most recent sealed source leak test dated 7/20/2010.

Since we do not have any plans to use an ECD detector in the future, we would like to have Item 6.G removed from our license, along with the authorized user for this source, Benedict I. Kuslikis, Ph.D.

If you have any questions or require additional information, please let me know.

Thank you.

Sincerely,



Bruce E. Hasselquist, Ph.D., RSO  
Chief Medical Physicist, Radiology  
Office phone: 616-391-2498

cc: Ben Kuslikis, Ph.D., Thomas Getz, MD, RSC Chairman, Larry Genzink, Radiology Director

Attachments:

AttachView

2850 Centerville Road  
Wilmington, DE 19808

Spectrum Health  
Attn: Tom Radecki  
1840 Wealthy Street  
Grand Rapids MI 49506

8/25/2010

**Reference: Receipt of Radioactive Devices**

To Whom It May Concern:

This letter is to notify you that the Electron Capture Detectors listed below have been returned to, and are in possession of, Agilent Technologies Inc., 2850 Centerville Road, Wilmington, DE 19808, USA for further disposition.

Document Owner: David S. Bennett  
Revision Date: 4/8/08

AttachView

Serial Number Model Number Date Received

K3431 19233-69576 8/25/2010

Please understand that this letter does not relieve you of your responsibility to notify either your state nuclear regulatory agency (if you reside in an Agreement State) or the Nuclear Regulatory Commission (if you do not) of the transfer in accordance with 10 CFR 31.5 (c) (8) (i) and (ii). If you are notifying the NRC of the transfer of the device, please note the following complete mailing address:

Director of Nuclear Material Safety and Safeguards  
ATTN: GLTS  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555-0001

Please contact your local Agilent Technologies, Inc. service representative if you have any questions.

Regards,
David S. Bennett Radiation Safety Office, U.S. Operations      302-636-8262

Document Owner: David S. Bennett  
Revision Date: 4/8/08

616-391-2665

S/H Radiology Admin



Agilent Technologies  
Innovating the Way

### ENVIRONMENTAL HEALTH AND SAFETY FORM

PLEASE FILL OUT ALL INFORMATION AND RETURN FORM WITH YOUR SHIPMENT. Please fold and insert this form into the shipping label holder in HIGHLY VISIBLE LOCATION ON THE EXTERIOR OF EACH CONTAINER. PRODUCTS WILL NOT BE ACCEPTED WITHOUT FORM.\*

**RETURN ECD'S TO:**  
**Agilent Technologies**  
**Attn: ECD LAB**  
**2850 Centerville Road**  
**Wilmington, DE 19808**

ECD Product # G 1223A Serial # K3431 ECD Product # \_\_\_\_\_ Serial # \_\_\_\_\_

Date: \_\_\_\_\_  
Returns Authorization Number: \_\_\_\_\_  
Sales Order Number: \_\_\_\_\_

Name: \_\_\_\_\_ Company: SPECTRUM HEALTH  
Address: 1840 WEALTHY  
City/State: GRAND RAPIDS, MI Country/Postal Code: USA 49506  
Phone: 616-774-7856 Fax: 616-774-5487

**A. Please state reason for the return:**

- Shipment Error: \_\_\_\_\_
  - OP Error: \_\_\_\_\_
  - Defective: \_\_\_\_\_
  - Duplicate Order: \_\_\_\_\_
  - Customer Error: \_\_\_\_\_
  - Warranty Replacement: \_\_\_\_\_
  - Damaged: \_\_\_\_\_
- By:  Carrier  Forwarder  Customer  Other \_\_\_\_\_
- Other: DISPOSAL

**B. To protect our employees from exposure to various hazards, you MUST answer the following to the best of your ability.**

1. Check if unit has unit been:  Powered up?  Injection made?
2. Is there any possibility of internal or external contamination on this equipment from any of the following?
  - YES  NO Blood, body fluids ( e.g. urine, secretions), pathological specimens
  - YES  NO Infectious substances or other bioagents (e.g. proteins, enzymes, antibodies).
  - YES  NO Regulated medical wastes
  - YES  NO Radioactive isotopes are used in the area. Detail type (ECD, isotopic labels, etc.) and activity in microcuries: \_\_\_\_\_
  - YES  NO Chemicals or substances that are hazardous to health
  - YES  NO Biodegradable material that could become hazardous
  - YES  NO Other hazards: \_\_\_\_\_
3. If you circles YES to any of the above:
  - a. Specifically describe where (on or in) the instrument/part there might be any residual contamination (for example, blood spill on the top surface) \_\_\_\_\_
  - b. Provide details of these hazards. Include names, material safety data sheets (MSDS) and contaminants, where possible. \_\_\_\_\_
  - c. Describe your method of decontamination, if performed. Attach procedure \_\_\_\_\_

I declare that the information is true and complete to the best of my knowledge and belief.\*\*

Authorized Signature: BENEDICT KUSLIKIS, Ph.D. Date: 8/18/10

\*If additional decontamination is required, you may be responsible for costs incurred to make the product safe for servicing; Shipment of equipment may fall under other transportation regulations; All applicable regulations must be followed when returning equipment.  
\*\*Agilent reserves the right to reject all returns, upon inspection.

BENEDICT KUSLIKIS, Ph.D.

\*\*\* RA valid for 30days.

Sales Administrator: \_\_\_\_\_

August 18, 2010

Agilent Technologies, Inc.  
Attention: ECD Lab  
2850 Centerville Road  
Wilmington, DE 19808-1610

**RE: ECD Model # G1223A/Serial # K3431**

To Whom It May Concern:

We are requesting the transfer of the ECD unit referenced to Agilent Technologies for proper disposal, product number R1629A.

For payment purposes, please invoice Spectrum Health, and include the purchase order number **488525-1**.

The contact person at our laboratory is Tom Radecki. I can be reached at (616) 774-7856, fax number (616) 774-5487.

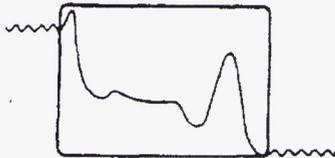
Respectfully,

Tom Radecki  
Toxicology Laboratory

/nmd

cc: Bruce Hasselquist, Ph.D.  
Radiation Safety Committee

*Sent 8/19/2010  
For Ben K.  
8/24/10*



## Monitoring Services

P. O. BOX 266877 HOUSTON, TEXAS 77207-6677 . AREA CODE 713-478-6820 FAX 281-532-0929

### SEALED SOURCE LEAK TEST CERTIFICATE

DAVE HORSTMAN  
SPECTRUM HEALTH  
1840 WEALTHY S.E.

CUSTOMER #: 2332

GRAND RAPIDS

MI  
49506

SOURCE #: 844

ACCOUNT #: 1798

RADIONUCLIDE: NI-63

ACTIVITY: 0.55 CI

SERIAL NO: K3431

WIPE DATE: 7/20/2010

EFFICENCY: 0.65

GROSS CPM: 47

BKG CPM: 28

NET CPM: 19

NET CPM  
EFF X 2.22x10<sup>6</sup> DPM/u CI = MICROCURIE

THE ABOVE SOURCE WIPE TEST HAS BEEN ASSAYED IN ACCORDANCE WITH OUR RADIOACTIVE MATERIAL LICENSE AND THE APPROPRIATE REGULATORY REQUIREMENTS. THE REGULATIONS DEFINE A LEAKING SOURCE AS ONE FROM WHICH AN APPROPRIATE WIPE TEST HAS REMOVED 0.005 (5.0X10E-3) MICROCURIE OR MORE OF ACTIVITY.

THE REMOVABLE ACTIVITY WAS: 1.32E-05

MICROCURIE

ASSAY NO.: 8/1/2010 16

DATE: 8/1/2010

ASSAYED BY:

SPECTRUM HEALTH 

Fax

Spectrum Health Butterworth Hospital  
Department of Radiology, MC 046  
100 Michigan NE  
Grand Rapids, MI 49503

Date: 9/3/2010 Time: 16:00 No. of pages (including cover): 7

To: USNRC Region III Fax: 630.515.1078 Phone: 630.829.9887

From: Bruce Hasselquist Fax: 616.391.2665 Phone: 616.391.2498

Please call if you have any problems with this transmission.  
If you have received this fax in error, please notify us immediately.

Message:

Amendment request is attached.

**Confidential Information**

The information contained in this facsimile message is privileged and confidential information intended for the use of the individual or entity to whom it is addressed. If the reader of this message is not the intended recipient or the employer or agent responsible to deliver it to the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this communication is strictly prohibited. If you have received this fax in error, please notify us immediately by telephone, then return the original message to us at the address above. Thank you.