



May 9, 2018

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U. S. Nuclear Regulatory Commission  
Materials Licensing Section  
ATTN: Daniel Strohmeyer  
2443 Warrenville Road, Suite 210  
Lisle, IL 60532-4352

Mr. Strohmeyer:

CardioSpecialists Group, Ltd. would like to provide the attached sealed source leak test form for Co-57 flood source (serial number BM051015182101) in response to your request for additional information.

Susan Bakker Orner, RN, BSN, NP-BC  
Kendra Hansen, DNP, ANP-BC  
Elizabeth B. Vaughn, RN, MSN, AGS-BC  
Pamela Linz Kulam, RN, MS, NP-BC  
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Isabelle M. Skurka, DNP, RN, ANP-BC, AGC  
Michelle E. Ruhnke, RRT

Please note, we were not able to supply a leak test for the Ba-133 vial source because it had been in storage many years and as such was exempt from leak testing requirements. When the source was transferred at the close of the license, it was well below the 100 uCi activity limit required for leak testing and was not leak tested prior to the transfer.

If there are any questions concerning this license amendment, please contact Mr. Bryce Caudle at 317-443-9035 or by email at [bcaudle@mpcphysics.com](mailto:bcaudle@mpcphysics.com).

Sincerely,

Dr. Kenneth Ramsey  
President and Managing Partner  
CardioSpecialists Group, Ltd.  
2510 Gettler, Suite 420  
Dyer, IN 46311

St. Margaret Mercy  
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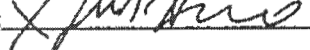
LEAK TEST REPORT FOR RADIOACTIVE SEALED SOURCES

Licensee:                   Cardiospecialists Group, Ltd., Munster, IN

Cs-137	Co-57
Manufacturer: N.A. Scientific	Manufacturer: RADQUAL
Model No. MED 3550 Vial	Model No. BM05-10
Serial No. 16686	Serial No. BM051015182101
Cal. Date: 3/1/2002	Cal. Date: 7/13/2015
Activity: 193.8 uCi	Activity: 10 mCi
Results	
Gross CPM   403	Gross CPM   412
Bkgd. CPM   414	Bkgd. CPM   414
Net CPM      000	Net CPM      000
<0.005 uCi removable activity	<0.005 uCi removable activity

Leak test samples acquired by Jim Mikowski on June 19, 2017

Leak test samples analyzed by Jim Mikowski June 24, 2017 / 

Reviewed by:   
Radiation Safety Officer

NEXT LEAK TEST DUE: December 2017

## Song, Taehoon

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**From:** Strohmeyer, Daniel  
**Sent:** Monday, May 21, 2018 11:49 AM  
**To:** Pavon, Sandy; Sandrik, Lauren; Song, Taehoon; Tomczak, Tammy  
**Subject:** FW: Re: Re: Re: Re: Re: Re: [ACTION] CN 602706 CardioSpecialist  
**Attachments:** AddInfo0518CardioSpec.pdf; Co57 leak test.pdf

**Categories:** Material Licensing

Good Morning,

Please add to ADAMS form CN 602706.

Thanks,  
Daniel

**From:** Bryce Caudle [mailto:bcaudle@mpcphysics.com]  
**Sent:** Tuesday, May 15, 2018 10:05 AM  
**To:** Strohmeyer, Daniel <Daniel.Strohmeyer@nrc.gov>  
**Subject:** [External\_Sender] Re: Re: Re: Re: Re: Re: [ACTION] CN 602706 CardioSpecialist

Daniel,

I have the leak test and cover letter attached for the old Co-57 source. We were not able to find a leak test for the Ba-133 vial. It had been in storage for many years (beyond the retention time requirements for leak tests) and was not leak tested while it was in storage. Since it was below the leak test activity requirement upon transfer, it wasn't leak tested then either. We included an explanation of this in the letter but if you have any questions, let me know.

Thanks!  
Bryce Caudle