

**Lexington Cardiology Associates
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New Britain, CT 06051
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February 12, 2024

USNRC, Region I
Division of Nuclear Materials Safety
475 Allendale Road, Suite 102
King of Prussia, PA 19406 -1415

REFERENCE: License No.: 06-28640-02; Disposal of Old Co-57 Sources

To Whom It May Concern:

We wish to dispose the very old Co-57 sealed spot sources, as listed on the attached, as ordinary waste. The activity of each source is below $6.50E-06$ uCi, measured surface areas measured as background, and no detectable removable contamination was measured as less than 0.0001 uCi. Prior to disposal, radioactive labels will be obliterated or defaced.

Thank you for your attention to this matter.

Sincerely,



Robert Malkin MD
Radiation Safety Officer.

Cc: Jerry Randall

Att: Sealed Source Pre-Disposal Measurements

REC RG 1 02 20 24 PM 02 42

Sealed Source Pre-Disposal Measurements

Institution: Lexington Cardiology Associates

N.M. Lic #: 06-28640-02

Test Date: 2/2/24

Calc uCi Well Counter Measurements

Std Srce	Serial Number	Std uCi	Cal Date	kev	T-1/2	Da or Yr	Today	Bkgd cpm	Std cpm	Net cpm	MDA*
Cs-137	621-9510	0.0940	12/1/99	662	30.00	Yr	0.0538	550	33805	33255	0.0001

Co-57 Sealed Sources in Storage (Not Used)				
Mfgr	Isotope	Act/Srce	On Date	ID Number
Type	#of Srces	mCi/uCi		Comments
I.P.L.	Co-57	200	10/1/93	443-48
Spot	1	uCi		SM-057200
N.A.S.	Co-57	200	8/1/96	W05852-1-1
Spot	1	uCi		MED 3505
Biodex	Co-57	50	1/1/00	099-289
Spot	1	uCi		
I.P.L.	Co-57	200	10/1/00	Lot# 725-56-1
Spot	1	uCi		"Syncor"
Syncor	Co-57	200	8/1/05	1124-93
Spot	1	uCi		
N.A.S.	Co-57	200	4/1/99	W10530-1-1
Spot	1	uCi		MED 3503
N.A.S.	Co-57	200	2/1/98	W08656-21
Spot	1	uCi		MED 3503

Measrd Bkgd (mR/hr):		Std Srce Cal Fctr (uCi/cpm):		
Decayed Activity 1/1/2024	Measrd mR/hr at Srce Surface = Background ?	1.62E-06 (Calc uCi / Net cpm)		
		Srce Wipe cpm	Srce Wipe Net cpm	Removable Activity (uCi) **
8.84E-11 uCi	Yes	502	-48	0
1.26E-09 uCi	Yes	564	14	0.0000226
7.76E-09 uCi	Yes	556	6	0.0000097
8.42E-09 uCi	Yes	563	13	0.0000210
5.82E-06 uCi	Yes	584	34	0.0000550
1.53E-08 uCi	547	547	-3	0
5.16E-09 uCi	Yes	500	-50	0

* MDA = Minimum Detectable Activity in uCi. = (3 x (SqRt(Bkg cpm))) x Calc.uCi / Net cpm.

** Removable Activity = Std Srce Cal Factor * Srce Wipe Net cpm