IsoRay MEDICAL
350 Hills Street
Richland, WA, USA
99354-5411
Phone: 509-375-5329

Cs-131 Brachytherapy Source Confirmation Assay

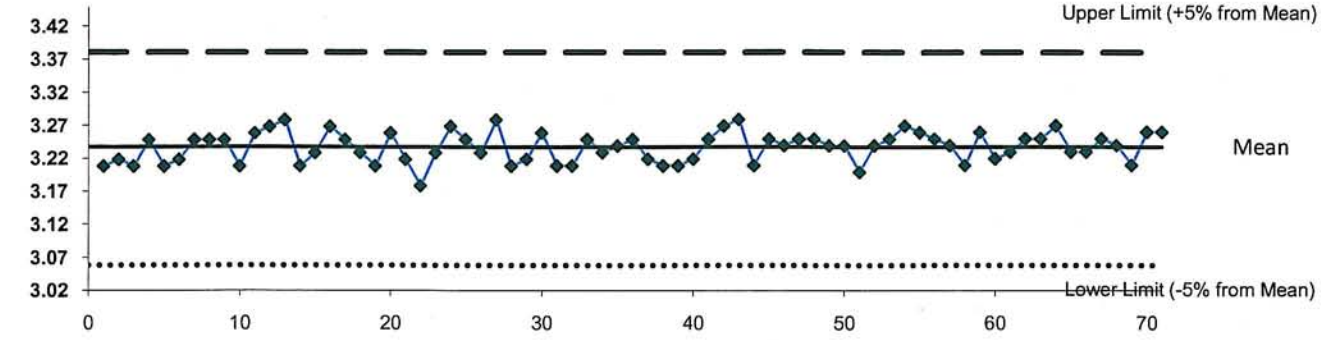
Customer Order Number:	SCTYYXXXX
Patient Name:	Patient Name
Implant Date:	2/19/09 12:00 PST
Confirmation Assay Date:	2/11/09 13:14 PST

Production Assay Data

Manufacturer:	IsoRay Medical Inc.		
Lot Number:	DO0907-010	**Model #:**	CS-1 Rev. 2
Reference Date:	2/19/09 12:00 PST	**Seed Quantity:**	71 seeds
Mean Activity:	2.86 mCi	**Mean Air Kerma:**	1.82 U
Total Activity:	203 mCi	**Total Air Kerma:**	130 U

Confirmation Assay Data

Air Kerma (U)



#	mCi	Air Kerma (U)	#	mCi	Air Kerma (U)	#	mCi	Air Kerma (U)	#	mCi	Air Kerma (U)	#	mCi	Air Kerma (U)	#	mCi	Air Kerma (U)	#	mCi	Air Kerma (U)
1	5.04	3.21	21	5.06	3.22	41	5.10	3.25	61	5.07	3.23									
2	5.05	3.22	22	4.99	3.18	42	5.14	3.27	62	5.10	3.25									
3	5.04	3.21	23	5.07	3.23	43	5.15	3.28	63	5.10	3.25									
4	5.10	3.25	24	5.13	3.27	44	5.04	3.21	64	5.14	3.27									
5	5.04	3.21	25	5.10	3.25	45	5.10	3.25	65	5.07	3.23									
6	5.06	3.22	26	5.07	3.23	46	5.09	3.24	66	5.07	3.23									
7	5.10	3.25	27	5.15	3.28	47	5.10	3.25	67	5.10	3.25									
8	5.10	3.25	28	5.04	3.21	48	5.10	3.25	68	5.09	3.24									
9	5.10	3.25	29	5.06	3.22	49	5.09	3.24	69	5.04	3.21									
10	5.04	3.21	30	5.12	3.26	50	5.09	3.24	70	5.12	3.26									
11	5.12	3.26	31	5.04	3.21	51	5.03	3.20	71	5.12	3.26									
12	5.13	3.27	32	5.04	3.21	52	5.09	3.24												
13	5.15	3.28	33	5.10	3.25	53	5.10	3.25												
14	5.04	3.21	34	5.07	3.23	54	5.14	3.27												
15	5.07	3.23	35	5.09	3.24	55	5.12	3.26												
16	5.13	3.27	36	5.10	3.25	56	5.10	3.25												
17	5.10	3.25	37	5.06	3.22	57	5.09	3.24												
18	5.07	3.23	38	5.04	3.21	58	5.04	3.21												
19	5.04	3.21	39	5.04	3.21	59	5.12	3.26												
20	5.12	3.26	40	5.06	3.22	60	5.06	3.22												

Assay Summary and Comparisons

	Production Assay Results Implant Date: 2/19/09 12:00 PST		Comparison of Confirmation and Production Assay Data Decay Corrected to: 2/19/09 12:00 PST			Confirmation Assay Data Reference Date: 2/11/09 13:14 PST	
	Apparent Activity (mCi)	**Air Kerma (U)**	**Corrected Apparent Activity (mCi)**	**Corrected Air Kerma (U)**	**Variance from Production**	**Apparent Activity (mCi)**	**Air Kerma (U)**
MAX	2.92	1.86	2.92	1.86	-0.15%	5.15	3.28
MEAN	2.86	1.82	2.88	1.83	0.55%	5.08	3.24
MIN	2.83	1.80	2.83	1.80	-0.01%	4.99	3.18

The above confirmation assay measurements were performed by Quality Assurance personnel in the Analytical Services Department. The results were obtained using a well ionization chamber calibrated with standards traceable to NIST and the Accredited Dosimetry Calibration Laboratories (ADCLs). The results have also been independently reviewed as indicated below.

Performed by:

Quality Specialist Date

Reviewed by:

Cognizant Scientist Date