

## Certificate of Analysis

### IsoRay Cesium Cs-131 Brachytherapy Seeds, Model Cs-1

<i>Consignee:</i>	<b>Facility Name</b>	<i>Attention Line</i>
<i>Address:</i>	Facility Address 1	
	Facility Address 2	

*The radioactive sources specified below are certified by IsoRay Medical and have been subjected to the tests described below yielding the results listed.*

<b>Patient Name/ID</b>		Patient Name	
<b>Customer Order Number</b>		Order Number	
<b>Dispensed Lot ID</b>		DO0907-010	
<b>Physician</b>		Physician Name	
<b>Quantity of Seeds</b>		71	
<b>Air Kerma Strength in <math>\mu\text{Gy m}^2/\text{h}</math> (U)</b>	R	Maximum	1.86
	a	Average	1.82
	n	Minimum	1.80
<b>Total Air Kerma Strength (U)</b>		130	
<b>Apparent Activity in mCi</b>	R	Maximum	2.92
	a	Average	2.86
	n	Minimum	2.83
<b>Total Apparent Activity (mCi)</b>		203	
<b>Implant/Calibration Date</b>		2/19/2009	
<b>Implant/Calibration Time (Pacific)</b>		12:00 PM	
<b>Leak Test Date</b>		2/3/2009	

All seeds have passed a leakage and contamination test showing less than 185 Bq (0.005  $\mu\text{Ci}$ ) of removable Cs-131 activity. ISO Classification: ISO/98/C53211. No other certification is to be implied.

"Total" is defined as the quantity of seeds in the lot multiplied by the average strength or activity of that lot.

"Air Kerma Strength" and "Apparent Activity" are descriptive of the radiation output and not the content activity.

For accounting and regulatory purposes, calculate the content activity of Cs-131 seeds by multiplying the "Total Apparent mCi" by 1.35. Multiply the content activity in millicuries by 37 to obtain the SI value in megabecquerels (MBq).

Read the attached product information to find information about source design; radiation emissions of Cs-131; radiation dose distribution and decay factors; warnings and precautions; personnel monitoring; accountability and disposal.

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*Quality Department*

\_\_\_\_\_  
*Date*



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