



**K&S Associates, Inc.**  
 1926 Elm Tree Drive  
 Nashville, Tennessee 37210-3718  
 800-522-2325 Fax 615-871-0856



## PRECISION CALIBRATIONS FOR RADIATION THERAPY CALIBRATION

Facility \_\_\_\_\_ Phone \_\_\_\_\_

Person \_\_\_\_\_ Fax \_\_\_\_\_

Chamber/Description \_\_\_\_\_

**Combined  
Expanded Uncertainty  
(including NIST, 2σ)**

**Gamma Beams:**

_____	<sup>60</sup> Cobalt Air Kerma (N <sub>x</sub> for TG-21, 1983)	1.2%
_____	<sup>60</sup> Cobalt Dose to Water (N <sub>D,w</sub> for TG-51, 1999)	1.3%
_____	<sup>137</sup> Cesium (Air Kerma)	1.2%

**Therapy X-Ray Beams:**

2.5%

Beam Code	kVp	HVL (mm)		Beam Code	kVp	HVL (mm)	
_____ M20	20	0.153	Al	_____ L20	19	0.076	Al
_____ M30	30	0.35	Al	_____ L30	30	0.246	Al
_____ M40	40	0.76	Al	_____ L40	40	0.51	Al
_____ M50	50	1.03	Al	_____ L50	50	0.75	Al
_____ M60	60	1.65	Al	_____ L80	80	1.92	Al
_____ M70	70	2.31	Al				
_____ M80	80	2.95	Al				
_____ M90	90	4.2	Al				
_____ M100	100	5.1	Al				
_____ M120	120	6.9	Al				
_____ M150	150	0.67	Cu				
_____ M175	175	1.24	Cu				
_____ M200	200	1.76	Cu				
_____ M220	220	2.1	Cu				
_____ M250	250	3.3	Cu				

**NOTES:** The first point includes pre-calibration checks, communication tests, chamber setup, etc.

**Calibration intervals:** Your re-calibration reminder will be set on a 24 month interval unless you specify otherwise.  
 IF you wish a re-calibration date recorded on your report please indicate the interval you require in the space below.

*American Express, MasterCard, Visa are accepted*

email: [ksinfo@kslab.com](mailto:ksinfo@kslab.com)

website: <http://www.kslab.com>