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**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**

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