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PRECISION CALIBRATIONS FOR RADIATION THERAPY CHAMBER

Facility _____ Phone _____

Person _____ Email _____

Chamber/Description _____

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

Gamma Beams:

| | |
|---|------|
| _____ ⁶⁰ Cobalt Air Kerma (N _x for TG-21, 1983) | 1.2% |
| _____ ⁶⁰ Cobalt Dose to Water (N _{D,w} for TG-51, 1999) | 1.3% |
| _____ ¹³⁷ 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 | 0.510 | Al |
| _____ M50 | 50 | 1.03 | Al | _____ L50 | 50 | 0.750 | Al |
| _____ M60 | 60 | 1.65 | Al | _____ L80 | 80 | 1.920 | Al |
| _____ M70 | 70 | 2.31 | Al | _____ L100 | 100 | 2.90 | Al |
| _____ M80 | 80 | 2.95 | Al | | | | |
| _____ M90 | 90 | 4.2 | Al | | | | |
| _____ M100 | 100 | 5.1 | Al | Beam Code | kVp | HVL (mm) | |
| _____ M120 | 120 | 6.9 | Al | _____ NS40 | 40 | 0.079 | Cu |
| _____ M150 | 150 | 0.67 | Cu | _____ NS60 | 60 | 0.26 | Cu |
| _____ M175 | 175 | 1.24 | Cu | _____ NS80 | 80 | 0.59 | Cu |
| _____ M200 | 200 | 1.76 | Cu | _____ NS100 | 100 | 1.13 | Cu |
| _____ M220 | 220 | 2.1 | Cu | _____ NS150 | 150 | 2.45 | Cu |
| _____ M250 | 250 | 3.3 | Cu | _____ NS250 | 250 | 5.42 | 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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