



**K&S Associates, Inc.**  
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**DIAGNOSTIC X-RAY CALIBRATION ENERGIES**

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

Person: \_\_\_\_\_ Email: \_\_\_\_\_

Chamber/System Description: \_\_\_\_\_

Combined Expanded Uncertainties (including NIST) at the 95% confidence level:

Mammography: 3%                      Rad/Fluoro/CT: 5%    Survey Meter X-ray point: 10%

**Mammography\***

- \_\_\_\_\_ 24 kVp (0.27 mm Al HVL)
- \_\_\_\_\_ 25 kVp (0.29 mm Al HVL)
- \_\_\_\_\_ 26 kVp (0.31 mm Al HVL)
- \_\_\_\_\_ 28 kVp (0.33 mm Al HVL)
- \_\_\_\_\_ 30 kVp (0.35 mm Al HVL)
- \_\_\_\_\_ 32 kVp (0.36 mm Al HVL)
- \_\_\_\_\_ 35 kVp (0.38 mm Al HVL)

**Radiographic**

- \_\_\_\_\_ 50 kVp (1.83 mm Al HVL)
- \_\_\_\_\_ 60 kVp (2.20 mm Al HVL)
- \_\_\_\_\_ 80 kVp (2.90 mm Al HVL)
- \_\_\_\_\_ 100 kVp (3.70 mm Al HVL)
- \_\_\_\_\_ 120 kVp (4.49 mm Al HVL)
- \_\_\_\_\_ 140 kVp (5.37 mm Al HVL)

**Fluoroscopic**

- \_\_\_\_\_ 50 kVp (1.83 mm Al HVL)
- \_\_\_\_\_ 60 kVp (2.20 mm Al HVL)
- \_\_\_\_\_ 80 kVp (2.90 mm Al HVL)
- \_\_\_\_\_ 90 kVp (3.31 mm Al HVL)
- \_\_\_\_\_ 100 kVp (3.70 mm Al HVL)

**CT**

- \_\_\_\_\_ 120 kVp (8.34 mm Al HVL)
- \_\_\_\_\_ 140 kVp (9.18 mm Al HVL)

**Survey Meter\*\***

- \_\_\_\_\_ 70 kVp (8.0mm Al HVL)
- \_\_\_\_\_ 90 kVp (9.5 mm Al HVL)
- \_\_\_\_\_ 110 kVp (10.7 mm Al HVL)

**Low Rate Dosimeters**

- \_\_\_\_\_ 70 kVp (8.0mm Al HVL)
- \_\_\_\_\_ 90 kVp (9.5 mm Al HVL)
- \_\_\_\_\_ 110 kVp (10.7 mm Al HVL)

\* Complies with MQSA requirements for NIST measurement assurance agreement- 900.2(xx) and for NIST traceability 900.12(d)(12)

\*\* Single point calculation. Survey meter linearity is established with a separate Cs-137 calibration

**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 accepted

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

