



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



## DIAGNOSTIC X-RAY CALIBRATION ENERGIES

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

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

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\***

- \_\_\_\_\_ 22 kVp (0.24 mm Al HVL)
- \_\_\_\_\_ 24 kVp (0.26 mm Al HVL)
- \_\_\_\_\_ 26 kVp (0.30 mm Al HVL)
- \_\_\_\_\_ 28 kVp (0.31 mm Al HVL)
- \_\_\_\_\_ 30 kVp (0.34 mm Al HVL)
- \_\_\_\_\_ 32 kVp (0.35 mm Al HVL)

**Radiographic**

- \_\_\_\_\_ 50 kVp (2.12 mm Al HVL)
- \_\_\_\_\_ 60 kVp (2.48 mm Al HVL)
- \_\_\_\_\_ 80 kVp (3.48 mm Al HVL)
- \_\_\_\_\_ 100 kVp (4.25 mm Al HVL)
- \_\_\_\_\_ 120 kVp (5.2 mm Al HVL)
- \_\_\_\_\_ 140 kVp (5.8 mm Al HVL)

**Fluoroscopic**

- \_\_\_\_\_ 70 kVp (3.20 mm Al HVL)
- \_\_\_\_\_ 80 kVp (3.60 mm Al HVL)
- \_\_\_\_\_ 90 kVp (4.00 mm Al HVL)
- \_\_\_\_\_ 100 kVp (4.39 mm Al HVL)
- \_\_\_\_\_ 110 kVp (4.95 mm Al HVL)

**CT**

- \_\_\_\_\_ 120 kVp (8.5 mm Al HVL)
- \_\_\_\_\_ 140 kVp (9.9 mm Al HVL)

**Survey Meter\*\***

- \_\_\_\_\_ 70 kVp (8.3mm Al HVL)
- \_\_\_\_\_ 90 kVp (10.0 mm Al HVL)
- \_\_\_\_\_ 110 kVp (11.2 mm Al HVL)

**Low Rate Dosimeters**

- \_\_\_\_\_ 70 kVp (8.3 mm Al HVL)
- \_\_\_\_\_ 90 kVp (10.0 mm Al HVL)
- \_\_\_\_\_ 90 kVp (11.2 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 12 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 provided.**

\_\_\_\_\_

**American Express, MasterCard, Visa are accepted**  
 email: [ksinfo@kslab.com](mailto:ksinfo@kslab.com) web: <http://www.kslab.com>