

J-6

45-25626-01

03036286

RADIOACTIVE SEALED SOURCE LEAKAGE TEST

Licensee: Roanoke Heart Institute, PLC
Roanoke, VA 24014

License Number: USNRC 45-25626-01 & VADOH VA-508-08

Facility Site: Roanoke Heart Institute, PLC
2105 Crystal Spring Avenue, S.W. / 201 McClanahan St.

Isotope: Various calibrated reference sources
(Note: For a detailed listing refer to attached inventory sheet.)

Source Mfg: Various manufacturers

Location of Sources: Scan/Dose Prep. Room

Calibrated Reference Source: Cs-137 rod (0.5 μ Ci, 10/01/03, HL = 30Y)
Mfg: International Products Labs, Inc. Model GF-0008 Serial 780-47-2

Testing Instrument: MCA - Capintec
Model - CRC-15W Serial #170740
Well Counter Detector [NaI(Tl)] - Capintec Serial #30003-01220-1
4pi geometry well counter
Energy window setting: Co-57 & Cs-137

Test Procedure: Each source surface was wiped with a moist cotton swab. Swab was placed within a test tube and assayed.

Date of Test: 9/25/07

Performed By: Sara Browning, CNMT or Sara Browning, CNMT

Test Results:

Source Id.	Measured Assayed Leakage Activity	Status
Cs-137 rod Isotope Prods. Model GF-008 Serial #780-47-2	.196 +/- .331 nCi	Acceptable, meas. activity =/ \leq 5.0 nCi
Cs-137 vial Isotope Prods. Model RV-137-200U Serial #988-97-12	.210 +/- .133 nCi	Acceptable, meas. activity =/ \leq 5.0 nCi
Co-57 vial Isotope Prods. Model RV-057-5M Serial #988-85-12	-.008 +/- .012 nCi	Acceptable, meas. activity =/ \leq 5.0 nCi
Co-57 flood Isotope Prods. Model NES8496-10M Serial #1009-005	.005 +/- .012 nCi	Acceptable, meas. activity =/ \leq 5.0 nCi