

Cobalt-57 Flood Sources

Cobalt-57 flood sources are used to test the response uniformity of gamma cameras. This is a critical quality control procedure to ensure that the camera response is uniform over the total head area(s). Cobalt-57 is uniformly dispersed in an epoxy matrix fully sealed in a high integrity ABS encapsulation. Radionuclide purity is greater than 99.9% (combined Co-56/Co-58 is less than 0.08% at source reference date). All flood sources are supplied with a uniformity test statement, wipe test certificate, handling and storage information and a custom decay calendar. All flood sources are shipped with the patented RadShield. RadShield provides comparable shielding to traditional hard-cases but at half of the weight.

Specifications

Cobalt-57 Flood Sources are manufactured and 100% tested to have a coefficient variation of less than $\pm 1.0\%$ and integral non-uniformity of less than $\pm 2.5\%$. SPECT imaging procedures require less than $\pm 1\%$ coefficient of variation.

- Dimensions: 24.4" l x 17.9" w x .7" thick (62 X 45 X 1.8 cm)
- Active Dimensions: 23.9" l x 16.4" w x .22" thick (61 x 42 x .56 cm)

Rectangular Flood Sources, Cobalt-57: Includes: Shielded storage case

043-830 Flood Source, Rectangular, 5 mCi

043-840 Flood Source, Rectangular, 10 mCi

043-855 Flood Source, Rectangular, 15 mCi

043-845 Flood Source, Rectangular, 20 mCi

