

Cobalt 57 Sources



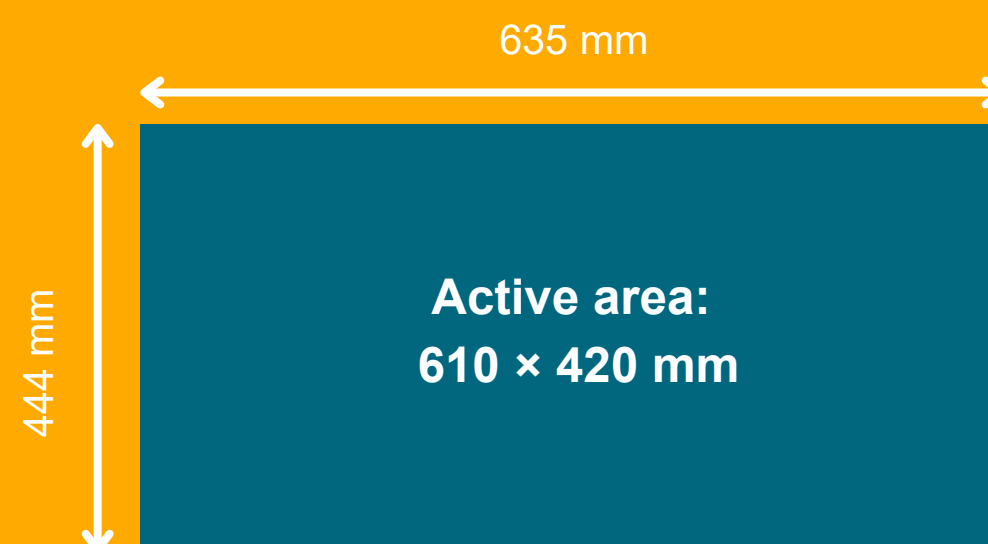
The LEA produces extended Cobalt-57 sources for all rectangular field gamma cameras, in order to verify nominal settings and the system's response uniformity.

TECHNICAL INFORMATION

The LEA produces extended Co-57 sources for all rectangular field gamma cameras, to check the nominal settings and uniformity of the system's response.

- **External surface:** 444 × 734 mm
- **Active area:** 610 × 420 mm
- **Activities:** 370 MBq – 550 MBq – 740 MBq
- **Differential non-uniformity:** ≤ 3% over the entire active surface*
- **Manufacturing tolerance:** -15% / +30%
- **Impurity level:** <0.1%
- **Classification:** C 2210 according to ISO 2019 standard

PRODUCT INFORMATION



REFERENCE TABLE

RN	Activity	Reference
	0.01 Ci	CO57 ESH 40
Co-57	0.015 Ci	CO57 ESH 45
	0.02 Ci	CO57 ESH 50

PACKAGING

The flood source will be delivered in a lead-lined aluminum case, packaged in a container.

The entire package is classified as Type A.

This case will be used for returning the source at the end of its life.

Package dimensions: 90 × 70 × 20 cm

RECOMMENDED LIFETIME

From a metrological standpoint : 20 months (~2 half-lives, i.e. ~60 MBq at end of life for the highest activity level)

From a physical integrity standpoint : 10 years

