

## Uniformity Measurement

The homogeneity of each C-Thru™ flood source is measured with a special dedicated gamma camera measuring system.

100% of the active area is measured with a unit cell size of 1 cm $\leq$ .  
The results are stated in a certificate supplied with each source.

**For further information on the new  
Isotrak C-Thru™ flood source,  
please log on to  
[www.hightechsource.co.uk](http://www.hightechsource.co.uk)  
or call us now on 01235 514200.**



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# C-THRU™



**Gamma camera image quality assurance  
can be hassle-free with C-Thru™,  
the new generation flood source unique to  
Isotrak and available exclusively through**



# C-Thru™ Co-57 Flood Sources Series

## Application

High uniformity Co-57 flood sources are used for gamma camera image quality assurance. The objective of these routine quality assurance checks is to ensure that the gamma camera field-of-view image is free from nonuniformities and artifacts.

The leading edge flood source technology of C-Thru™ revolutionises quality assurance by providing the highest quality results, while simplifying the entire process, from ease of use to source return.

## C-Thru™ Features

Transparent, durable capsule material

Active area visible through its transparent holder

Lead-lined durable transport and storage roller case (Type A approved)

Coefficient of variation <1% - typically the CoV is 0.5% or less

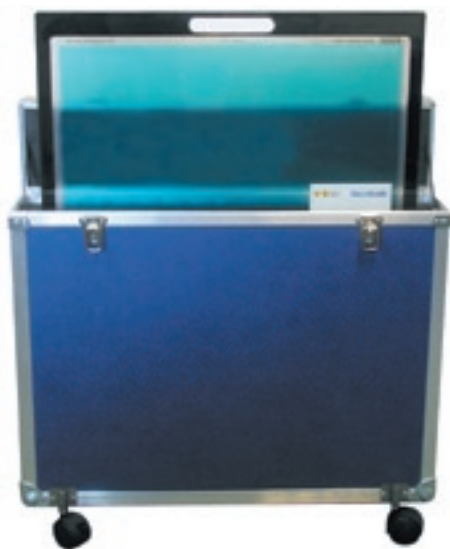
(Unit cell size 1 cm  $\leq$ )

Integral uniformity < 2.0%  
- typically it is 1.0%-1.7%

Radionuclide impurity < 0.1% (Co-58, Co-56, Co-60)

Sources are available for all common gamma cameras

Patented technology allows custom designs for most dimensions and activities  
Source return service



## Construction

Isotrak's unique C-Thru™ design and technology (patent pending) Co-57 Flood Sources provides users with exceptional performance in a user-friendly and functional format.

This represents a considerable advance and improvement over conventional flood source design.

The laser joined source holder material is made of transparent, durable plastic. The radioactive area is clearly visible, enabling C-Thru™ sources to be easily positioned on the gamma camera head, assuring the full and accurate coverage of the field-of-view.

Dual head cameras can be checked simultaneously, as the radiation field produced by the flood source is the same on both sides.

C-Thru™ flood sources have 2 handles for safe manipulation allowing hands to be clear of the active area.

All C-Thru™ flood sources are supplied in a stable, easy to handle, lead-lined roller case for safe transport and storage.

The roller case is also a Type A approved shipping container that meets all the requirements of IAEA TS-R-1 and 49CFR.

