



# Nordion®

A Sotera Health company

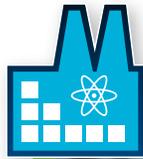
## C-188 Cobalt-60 Sources

The Gamma Source the World Trusts

**For over 50 years, the Nordion C-188 double-encapsulated Cobalt-60 sources have set the industry standard for design, quality and safety. That's why today the majority of the world's installed Cobalt-60 sources take the form of a Nordion C-188.**

### Long-Term Supply

Nordion is a world leading supplier of Cobalt-60 sealed sources to the gamma processing industry. Our exclusive and diversified supply chain ensures reliable, long-term supply of Cobalt-60 to our customers.



### Disposal Service

Nordion is committed to the longevity of the gamma industry and continues to invest in diversified disposal paths for Nordion C-188 Cobalt-60 sources providing full lifecycle management.

### Installation and Support

Our installation, physics and engineering teams are comprised of highly trained professionals who provide immediate and ongoing technical support from source installation and source rack optimization to dosimetry and emergency response.

### Quality Manufacturing

Nordion C-188 double-encapsulated Cobalt-60 sources are manufactured at our state-of-the-art facilities to the latest regulatory specifications. We offer a standard 20 year product warranty with all Nordion C-188 Cobalt-60 sources.

### Worldwide Delivery

In five decades we have shipped nearly one billion curies of Cobalt-60 to destinations throughout the world. Our extensive fleet of shipping containers meets or exceeds all IAEA transport requirements and undergoes regular safety maintenance.



# C-188 Cobalt-60 Sources

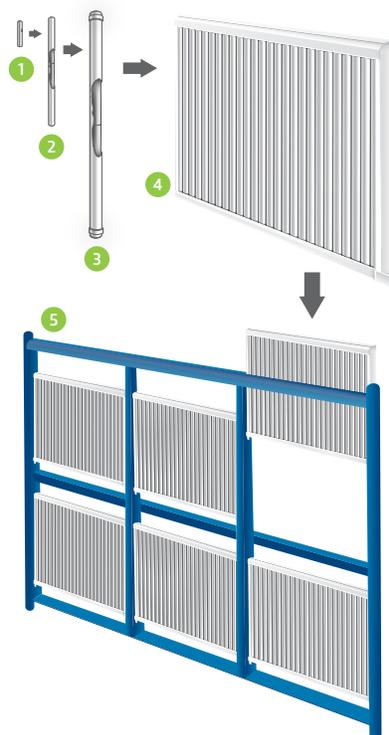
## The Standard

Nordion C-188 Cobalt-60 sources meet or exceed all industry standards and regulatory requirements for sealed radioactive sources, such as:

- US Nuclear Regulatory Commission 10 CFR Part 36
- ISO 2919-1999(E) and the equivalent American National Standard ANSI/HPS N43.6-2007, under performance classification E65646
- Special Form Radioactive Material as outlined in the International Atomic Energy Agency Regulation for the Safe Transport of Radioactive Materials under Certificate Number CDN/0010/S-96 of the Canadian Nuclear Safety Commission (CNSC)

## The Nordion C-188 Cobalt-60 Source Specs-at-a-Glance

Average Source Activity Range	(9,000-11,000 Ci)
Standard Source Range Activity	Up to 14,500 Ci (527 TBq)
Dimensions	451.6 mm (17.78 inches) in length 11.1 mm (0.437 inches) in diameter
Weight	0.24 kg (0.53 lbs)



## Typical C-188 Configuration

- 1 Cobalt-60 slugs
- 2 Cobalt-60 inner source element (a capsule containing Cobalt-60 slugs)
- 3 Nordion source C-188 Cobalt-60 source (contains inner source elements), manufactured to meet required source activity
- 4 Irradiator source rack module (array of sources)
- 5 Irradiator source rack (contains modules in different configurations, depending on irradiator design)



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