



## Cobalt 60 (Co-60)

### Main Application

Level gauges – Gamma Radiography

### Description

Simple or double stainless steel capsule containing Co-60

### Specifications

- Source: high nickel-plated cobalt
- Capsule: welded stainless steel (AISI 316L)
- Half-life: 5.27 years

### Delivery Time

- Level gauges: 4 weeks
- Gammagraphy: on request

### Source Disposal

For each source purchased, Best NDT will provide disposal of one source as per the price list.



### Radiation Energies in MeV

Gamma	Beta
1.17 (100%)	0.138 (100%)
1.33 (100%)	1.491 (0.1%)

Air Kerma Rate at 1 meter: 11.4 mGy/h for 37 GBq  
(Exposure rate at 1 meter: 1.3 R/h for 1 Ci)

### Maximum Focal Spot Size

	Active Diameter	Active Height	Equivalent Activity
Level Gauges	3.0 mm	3.0 mm	185 GBq (5 Ci)
Gamma Radiography	on request	on request	from 185 to 3700

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Co-60 Capsules					
Type	Material	Authorized Activity	ISO Code	AFNOR Code	Certificate Material Special Form
G1	Stainless Steel AISI 316L	1850 GBq (50 Ci)	C64545	C64545ic*	B/014/S-96
G3	Stainless Steel AISI 316L	2960 GBq (80 Ci)	C64545	C64545ic*	B/015/S-96
G4	Stainless Steel AISI 316L	3700 GBq (100 Ci)	C64445	C64445ic*	B/013/S-96
G6	Stainless Steel AISI 316L	1850 GBq (50 Ci)	C64445	C64445ic*	B/012/S-96
G8	Stainless Steel AISI 316L	1850 GBq (50 Ci)	C64445	C64445ic*	B/010/S-96
G10	Stainless Steel AISI 316L	1850 GBq (50 Ci)	C64445	C64445ic*	B/018/S-96
G21	Stainless Steel AISI 316L	1850 GBq (50 Ci)	C64545	C64545ic*	B/020/S-96

\*i: fire tests up to 1200°C – c: corrosion tests

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