ORTEC

Exempt Quantity Radioactive Sources

Check sources for energy calibration in 2.5 cm plastic disks

Small radioactive check sources for energy calibration, mounted in 2.5 cm diameter sealed plastic disks. The activities are within the exempt quantities of the US USNRC 30.71 Schedule B. The sources are manufactured by Spectrum Techniques in Oak Ridge and sold by ORTEC in sets of three, five or eight sources.

Use
Check sources for energy calibration [1]

Format
Sealed plastic disks, 2.5 cm di ameter [1]

Licensing
Exempt from USNRC and US State licensing; no special storage or disposal requirements there [1]

Specifications

Use	Check sources for energy calibration	[1]
Format	Sealed plastic disks, 2.5 cm diameter	[1]
Licensing	Exempt from USNRC and US State licensing; no special storage or disposal requirements there	[1]
Source manufacturer	Spectrum Techniques, Oak Ridge (USA)	[1]
Available nuclides	^{133}Ba, ^{109}Cd, ^{137}Cs, ^{57}Co, ^{60}Co, ^{54}Mn, ^{210}Po, ^{22}Na, ^{90}Sr, ^{204}Tl, ^{65}Zn and ^{210}Pb; standard activity 0.1–5 µCi per source	[1]
Source sets outside the USA	RSS3UN: ^{210}Po 0.1, ^{90}Sr 0.1 and ^{60}Co 0.5 µCi; RSS5EU: ^{210}Po 0.1, ^{90}Sr 0.1, ^{204}Tl 0.25, ^{60}Co 1 and ^{137}Cs 0.25 µCi; RSS8UN: ^{133}Ba, ^{109}Cd, ^{57}Co, ^{60}Co, ^{22}Na and ^{65}Zn 1 µCi each, ^{137}Cs 0.1 and ^{152}Eu 0.5 µCi; RSS8EU: as RSS8UN but ^{137}Cs 0.25 µCi	[1]

Sources

[1] **Exempt Quantity Radioactive Sources**
RTEC (AMETEK) · product-page · Overview; Chart of Radioactive Decay; Ordering Information – Non-U.S. Customers · checked 2026-10-16
https://web.archive.org/web/20261016000000/https://www.ortec-online.com/products/electronic-instruments/mult...

Every value is taken from the manufacturer's own document; the number after the value refers to the source list. Always check against the latest datasheet before ordering.

The data comes from the manufacturer's published documents. Manufacturers may change specifications; the current configuration and performance are confirmed in the quotation.