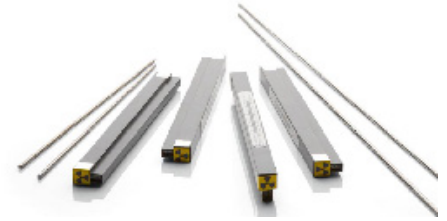


Sources for SPECT



We supply a wide range of Attenuation Correction line sources for Single Photon Emission Computed Tomography (SPECT) studies. A SPECT image is developed by measuring a collimated radiation beam emitted from a patient's body. The radiation beam is produced by injecting a known radiopharmaceutical into the patient.

SPECT image quality can suffer from unquantified attenuation effects caused as the beam passes through tissue of varying density and thickness. A line source is utilized to produce a "control beam" that is measured concurrently with the "radiopharmaceutical beam." The two beams are integrated and patient specific attenuation is calculated.

The resulting image is of higher quality than an image produced without attenuation correction. The typical nuclides used in Attenuation Sources for SPECT studies are Gd-153, Co-57 and Ba-133. Sources are singly or doubly encapsulated in both line and point geometries. The nuclides, activities and dimensions are manufactured in accordance to OEM Camera manufacturer specifications.

Camera Manufacturer	Camera Model	Item#	Nuclide	Nominal Activity	Sold As	System Requires	Recommended Replacement
Siemens Medical	E-Cam	NES-8426-28	Gd-153	192 mCi	Set/ 28	1 set	N/A
		NES-8426-4	Gd-153	80 mCi	Set/ 4	1 set	6 months
	Symbia	HEGL-0133	Gd-153	10 mCi	Each	1	2 years
		PHI-0124	Co-57	50 µCi	Each	1	1 year
GE Healthcare	Millenium Myosite	NES-8429-SET	Gd-153	450 mCi	Set/ 2	1	12-18 months
		NES-8429-SET	Gd-153	450 mCi	Set/ 2	1	12-18 months
Philips/ADAC	MDC Vertex	HEGL-0109	Ge-68	500 µCi	Each	1	1 year
	Forte Skylight Cardio 60	NES-8412 78410	Gd-153	250 mCi	Each	2	1 year
			Lead Pig		Each	3	12-18 months
	Cardio MD	NES-8497	Gd-153	240 mCi	Each	2	12-18 months
	Precedence	MMS07-153-100U	Gd-153	100 µCi	Each	6	12-18 months
	Brightview XCT	MMS07-153-100U	Gd-153	100 µCi	Each	6	12-18 months
Spectrum Dynamics	D-SPECT	MED3614	Co-57	12 mCi	Each	1	1 year

Ge-68 Phantom for GE Discovery IQ



CE Mark 1: Ge-68, 1.49 mCi (55 mBq), PET Annulus DQA Imaging Phantom For the following systems:

- Discovery IQ 2 Ring Scanner / 10 cm PET/CT
- Discovery IQ 3 Ring Scanner / 15 cm PET/CT
- Discovery IQ 4 Ring Scanner / 20 cm PET/CT
- Discovery IQ 5 Ring Scanner / 25 cm PET/CT
- Discovery MI PET/CT
- Discovery MI DR (Digital Ready)

EG-0320

Ge-68 Phantom for GE Discovery IQ 1.49 mCi