

Clinical PET Annual Source Replacement Kits (Biograph®, ECAT Accel®, Exact®, HR+®)

Order Number	Type of Source (Ge-68)	Activity	Qty	Replacement Cycle
BIO-R (Source Kit)	Biograph Source Annual Replacement Kit Includes: PET-180/1 (2 Rod Sources), PET20C19/1 (Uniform Phantom)	Various	Set	12 months
BIOH-R (Source Kit)	Pico Biograph Source Annual Replacement Kit Includes: PET-180/1 (2 Rod Sources), PET20C19/2 (Higher Activity Uniform Phantom)	Various	Set	12 months
BIV-R (Source Kit)	TrueV (4-Ring) Biograph and MCT Biograph Source Annual Replacement Kit Includes: PET-180/1 (2 Rod Sources), PET20C27/2 (Long Uniform Phantom)	Various	Set	12 months
BIO-S (Source Kit)	Initial Source Supplementary Kit for Dedicated PET Includes: PET-180/1 (1 Rod Source), PET20C19/1 (Uniform Phantom)	Various	Set	N/A
HRP-R (Source Kit)	ECAT HR+ Source Annual Replacement Kit Includes: PET-168/3.8 (3 Rod Sources), PET-20C19/3 (Uniform Phantom)	Various	Set	12 months
ACL-R (Source Kit)	ECAT Accel Source Annual Replacement Kit Includes: PET-168/5 (3 Rod Sources), PET-20C19/3 (Uniform Phantom)	Various	Set	12 months
EXT-R (Source Kit)	ECAT Exact Source Annual Replacement Kit Includes: PET-168/3.3 (3 Rod Sources), PET-20C19/3 (Uniform Phantom)	Various	Set	12 months



Individual Sources for Siemens Clinical and Preclinical PET Scanners

Order Number	Type of Source (Ge-68)	Activity	Qty	Replacement Cycle
PET-168/3.3	Transmission Rod Source Set for Siemens EXACT®	122 MBq (3.3 mCi) ea 370 MBq(10mCi) Total	3	12 months
PET-168/3.8	Transmission Rod Source Set for Siemens HR Plus®	141 MBq (3.8 mCi) ea 423 MBq(11mCi) Total	3	12 months
PET-168/5	Transmission Rod Source Set for Siemens ACCEL®	185 MBq (5 mCi) ea 555 MBq(15mCi) Total	3	12 months
PET-180/1	Calibration/setup Rod Source	44 MBq (1.2 mCi)	1	12 months
PET-20C19/1	Cylinder Phantom	44 MBq (1.2 mCi)	1	12 months
PET-20C19/2	Cylinder Phantom	74 MBq (2 mCi)	1	12 months
PET-20C19/3	Cylinder Phantom	120 MBq (3.2 mCi)	1	12 months
PET-20C27/2	Cylinder Phantom for Extended FOV Scanners	74 MBq (2 mCi)	1	12 months
PET-0.1/0.5	Point Source for Focus 120/220 Preclinical PET Scanner	18.5 MBq (0.5 mCi)	1	12 months
PET-180/0.8	Low Activity Rod Source for Focus 120/220 Preclinical PET Scanner	30 MBq (0.8 mCi)	1	12 months
PET-6C9/1	Cylinder Phantom for Focus 120 Preclinical PET Scanner	37MBq (1 mCi)	1	12 months
PET-10C10/1	Cylinder Phantom for Focus 220 Preclinical PET Scanner	37MBq (1 mCi)	1	12 months
PET-6C14/0.5	Cylinder Phantom for Inveon Preclinical PET Scanner	18.5 MBq (0.5 mCi)	1	12 months
PET-10C14/0.5	Cylinder Phantom for Inveon Preclinical PET Scanner	18.5 MBq (0.5 mCi)	1	12 months



Sealed Source Device Registry (SSDR)

Sanders Medical Product's SSDR for the Siemens rod source is TN-0241-S-101-S. SMP's SSDR for the Siemens phantom source is TN-0241-S-102-S. License amendment guides can be downloaded from www.sandersmedical.com.

Ge-68 sources are available for older, discontinued Siemens® camera systems as well as current models.

Ge-68 Nuclide:
270.8 day half-life
511 keV photon
energies



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SIEMENS

Siemens Medical Solutions®



Ge-68
PET Sources



Sanders Medical Products, Inc.
Supplier for Siemens Medical Solutions PET Scanner Sources

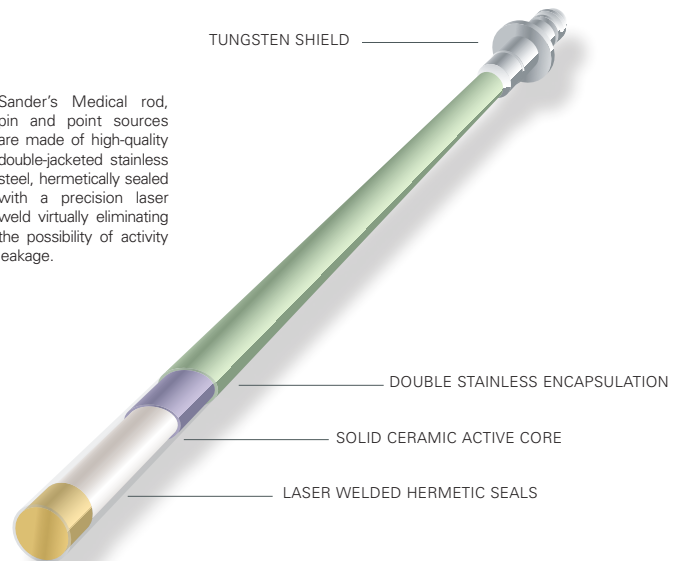


Every Sander's Medical rod source and pin source is tested and inspected helping to eliminate possible image artifacts for a higher quality scan.

Sanders Medical has Your Approved Source

Since 1994 Sanders Medical has devoted itself to the best in Positron Emission Tomography (PET) and nuclear medicine scanner sources. Sanders Medical PET sources are designed to be fully compatible with Siemens Medical Solutions PET scanners. Our proprietary processes help ensure you get the most consistent source quality available for the highest quality scans. We warrant our sources for the life of the source – an industry exclusive. And unlike other source manufacturers, Sanders Medical is completely devoted to the medical industry. We invite you to explore for yourself why so many PET facilities around the world have come to rely on Sanders Medical as their PET source solution.

Sander's Medical rod, pin and point sources are made of high-quality double-jacketed stainless steel, hermetically sealed with a precision laser weld virtually eliminating the possibility of activity leakage.



GREAT PRODUCTS BEGIN WITH GREAT SERVICE

From securing regulatory licenses to prompt source replacement and disposal management, Sanders Medical is your turnkey solution for higher quality scans and a more efficient PET scanning operation. Please call us for more information on how Sanders Medical can help you with your PET source needs.

- **REGULATORY ASSISTANCE**

Sanders Medical provides assistance to our customers to ensure they have the proper Radioactive Materials (RAM) license to possess our Ge-68 sources. We will even help you obtain the proper documentation if necessary.

- **IMMEDIATE DELIVERY AVAILABLE**

Sanders Medical is setting a new delivery standard in the industry. Commonly used sources are kept in stock for immediate delivery. Delivery times for all other products are normally less than 30 days.

- **SOURCE DISPOSAL**

When you purchase a source from Sanders Medical, you get more than a new source. Upon request, we will provide all necessary shipping documents for you to return your spent sources to us for disposal at no charge.*

- **INSTALLATION SERVICES**

Sanders Medical offers source installation service for select camera models. Please call us for additional details.

COMMITTED TO SAFETY AND COMPLIANCE

Sanders Medical rod, pin and point sources are made of high-quality double-jacketed stainless steel tubes and manufactured under strict NRC, FDA, CE and ISO manufacturing guidelines.

- **PRECISION LASER-WELDED ENDS**

Each rod source is hermetically sealed on both ends of the source with a precision laser weld. The laser weld virtually eliminates the possibility of activity leakage to help ensure the safe use of the source.



- **CLEAN LASER ENGRAVING FOR ENHANCED LEGIBILITY**

Each rod source is permanently laser-marked with tracing information such as model, nuclide, activity, serial number and date. These laser markings are computer controlled to ensure all the information is accurate and highly legible.

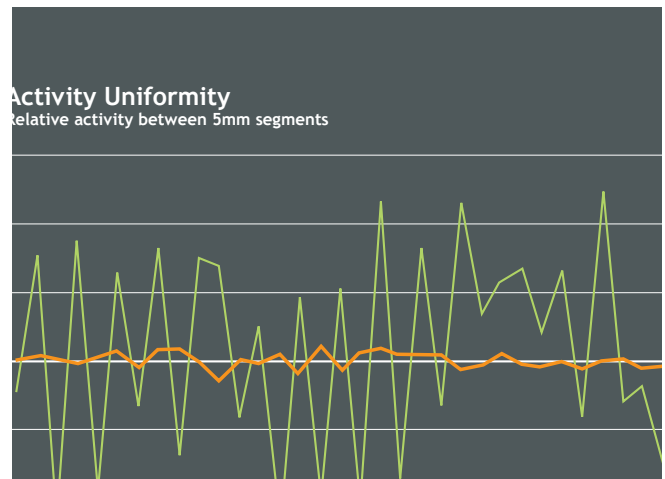


ENHANCED UNIFORMITY FOR BETTER IMAGING

The uniformity of a source is the key to a high-quality scan. Our proprietary manufacturing process ensures one of the most uniform sources available. To prove it, we provide a Uniformity Scan Chart with each rod source we deliver.

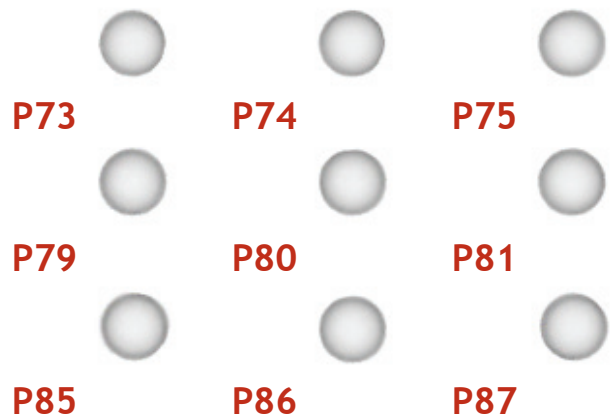
- **ROD AND PIN UNIFORMITY**

Every Sanders Medical rod source and pin source is tested for uniformity using our automated system, which scans the entire length of the source in 5mm increments. We warrant the non-uniformity of our rod and pin sources to be within +/- 5%. A uniform transmission line source ensures that transmission scans will not have activity gaps, or hot spots, which helps eliminate possible image artifacts for a higher-quality scan.



- **CYLINDER PHANTOM UNIFORMITY**

To ensure every cylinder phantom we make is perfectly uniform, we scan each one on a Siemens Biograph PET scanner. Scan data files are available upon request.



* Authorization is required prior to return of sources. Shipping charges are extra.