



# BRACHYTHERAPY

Your Total Resource



## BRACHYSOURCE® Seed Implants

Model Number: STM1251

Manufactured For:  
**BD Switzerland Sàrl**  
 Terre Bonne Park - A4  
 Route de Crassier 17  
 1262 Eysins, Switzerland

Manufactured by:  
**Bard Brachytherapy, Inc.**  
 295 E. Lies Road  
 Carol Stream, IL 60188 USA  
 800-977-6733  
 www.bardmedical.com

Customer: **INSTITUUT VERBEETEN**

Address: **HOOFDRECEPTIE INSTITUUT VERBEETEN TILBURG 5042 SB NL**

Certificate Number: **777322SL**

Bard Tracking Number: **777322SL**

Physician Name:

Customer PO Number: **5597091/BVI579SCH**

Patient ID: **BVI579SCH**


Reference Date: **2022/05/21**

Implant Date: **2022/05/25**

Lot Number	BBGR0083						Total	Range Midpoint
Quantity	86						86	on Implant Date
Apparent Activity Range (mCi) on 2022/05/21	Min:	0.405 mCi	14.99 MBq					0.406mCi (15.01MBq) on 2022/05/25
	Midpt:	0.425 mCi	15.73 MBq					
	Max:	0.445 mCi	16.47 MBq					
	Total:	36.550 mCi	1,352.35 MBq				36.550mCi 1,352.35 MBq	
Air Kerma Strength Range (μGym <sup>2</sup> /h) on 2022/05/21	Min:	0.514 μGym <sup>2</sup> /h						0.515 μGym <sup>2</sup> /h on 2022/05/25
	Midpt:	0.540 μGym <sup>2</sup> /h						
	Max:	0.565 μGym <sup>2</sup> /h						
	Total:	46.440 μGym <sup>2</sup> /h					46.440 μGym <sup>2</sup> /h	
Leak Test Date	2022/04/29							

The enclosed sources consist of a radioisotope-coated cylindrical core pellet hermetically sealed within a titanium capsule. Each brachytherapy source is calibrated by measurement in a re-entrant ionization chamber with the measurement traceable to the National Institute of Standards and Technology (NIST) per the 1999 primary calibration standard. The uncertainty in the assay of the sources is ±5%. Bard Brachytherapy, Inc. certifies that the listed sources passed a leakage and contamination test meeting the requirements of ISO 9978:1992 (E), 5.1.1., *Immersion Test (hot liquid)*, showing less than 0.005 microcuries (0.19kBq) of removable Iodine-125 activity.

The total Air Kerma Strength or Apparent Activity is calculated by multiplying the midpoint by the number of sources. The midpoint is the middle of the range, not an average of the strength of the sources. The apparent activity and air kerma strength are measures of radiation output, not the contained activity. To calculate the contained activity, multiply the apparent activity by 1.7. The sources must be re-leak tested six months after the Leak Test Date before use or return to Bard Brachytherapy, Inc. if the source activity is greater than 100 microcuries (3.7MBq). Iodine-125 has a half-life of 59.6 days and the principal photon emissions are 27.4 keV and 31 keV X-rays and a 35.5 keV gamma.<sup>1</sup>

  
 Quality Assurance

5/16/22  
 Date



Reference: 1. NCRP Report No. 58  
 ISO Classification: ISO/99/C64221

Bard Brachytherapy Inc., Carol Stream, IL 60188 USA P: 800-977-6733 F: 888-383-3839

(21)777322SL

Authorized Representative: BD Switzerland Sàrl, Terre Bonne Park - A4, Route de Crassier 17, 1262 Eysins, Switzerland

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PK0304870 08/2019



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