











Freedom to treat with the power of Biolimus A9

Ordering Information

	Stent Length (mm)							
Stent Diameter (mm)	8	11	14	18	24	28	33	36
2.25	BFR1-2208	BFR1-2211	BFR1-2214	BFR1-2218	BFR1-2224	BFR1-2228	NA	NA
2.50	BFR1-2508	BFR1-2511	BFR1-2514	BFR1-2518	BFR1-2524	BFR1-2528	BFR1-2533	BFR1-2536
2.75	BFR1-2708	BFR1-2711	BFR1-2714	BFR1-2718	BFR1-2724	BFR1-2728	BFR1-2733	BFR1-2736
3.00	BFR1-3008	BFR1-3011	BFR1-3014	BFR1-3018	BFR1-3024	BFR1-3028	BFR1-3033	BFR1-3036
3.50	BFR1-3508	BFR1-3511	BFR1-3514	BFR1-3518	BFR1-3524	BFR1-3528	BFR1-3533	BFR1-3536
4.00	BFR1-4008	BFR1-4011	BFR1-4014	BFR1-4018	BFR1-4024	BFR1-4028	NA	NA

- 1. Cell Cycle is a the growth cycle of eukaryotic cells. It is divided into five stages, known as G 0, in which the cell is quiescent, G 1 and G 2, in which it increases in size, S, in which it duplicates its DNA, and M, in which it undergoes mitosis and divides
- 2. Virmani Opinion & Tada et al Circulation: Cardiovascular Interventions.2010;3:174-183
- 3. Tada et al. Circulation: Cardiovascular Interventions. 2010;3:174-183
- 4. Internal BioFreedom Tissue PK Report
- * Data on File

 $BioFreedom^{\mathtt{W}}\ Drug\text{-}Coated\ Stent\ is\ CE\ Mark\ approved.\ Data\ on\ file\ at\ Biosensors\ International\ for\ any\ sustained\ claims\ in\ this\ brochure.$

CAUTION: The law restricts these devices to sale by or on the order of a physician. Indications, contraindications, warnings and instructions for use can be found in the product labeling supplied with each device.

BioFreedom, Biolimus A9 and BA9 are trademarks or registered trademarks of Biosensors International Group, Ltd. All cited trademarks are the property of their respective owners.

Not available for sale in the United States and certain other countries.

© 2015 Biosensors International Group, Ltd. All rights reserved.

www.biosensors.com



BIOSENSORS EUROPE SA

Rue de Lausanne 29 1110 Morges Switzerland

Switzerland Tel: +41 (0)21 804 80 00 Fax: +41 (0)21 804 80 01

BIOSENSORS INTERVENTIONAL TECHNOLOGIES PTE LTD

36 Jalan Tukang Singapore 619 266 Tel: +65 6213 5777 Fax: +65 6213 5737

DOUGH - Bau Of

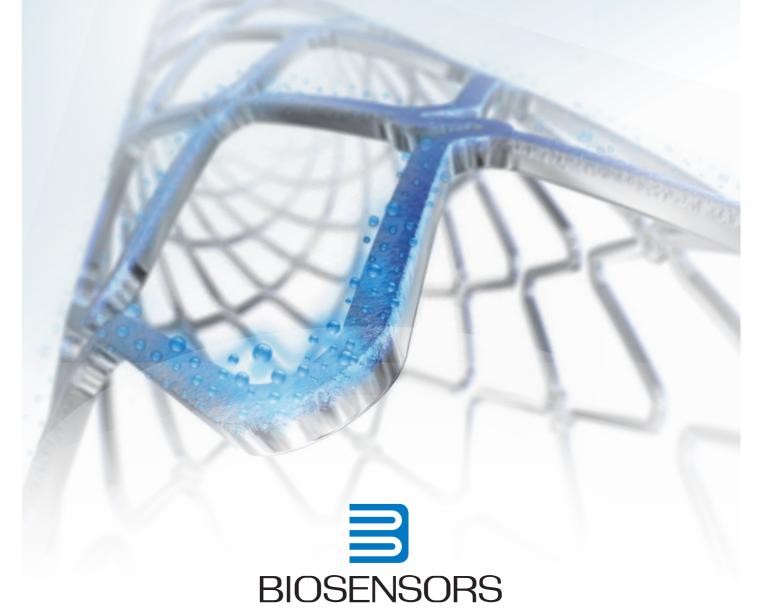








Freedom to treat with the power of Biolimus A9





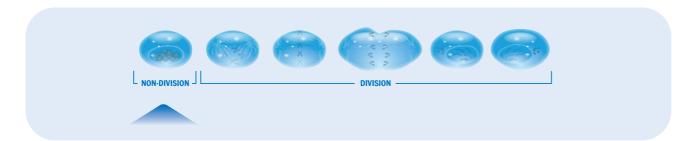


Freedom to treat



BA9, Designed for Vascular Stent Technologies

The design of the BioFreedom stent and inherent properties of BA9 enable sustained drug delivery without the need for a polymer or carrier to control release.



BA9, an Effective Cytostatic Limus Drug

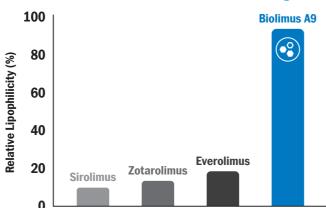
BA9 inhibits cell proliferation by arresting the Cell Cycle.¹ BA9 acts on several cell types, including vascular smooth muscle cells.

Rapid BA9 Transfer Enhanced by High Lipophilicity

- Due to its chemical structure, BA9 has very high lipophilicity resulting in:
- Rapid transfer of BA9 from the abluminal surface of the polymer free BioFreedom stent to the arterial wall
- Minimising systemic loss and maximising the amount of drug available to the tissue
- BA9 has demonstrated safety and efficacy with no evidence of cellular necrosis and minimal inflammatory response in animal studies.²



Up to 10x the



+/- 2.8% (valid for all drugs tested). Data on file at Biosensors.

BA9 is designed for targeted local applications such as with drug eluting or drug-coated stents.

High Local Bioavailability:

- Targeted Drug Release •

BA9's combination of high lipophilicity and long half life allow it to be warehoused in the vessel wall, resulting in targeted and sustained local drug release.

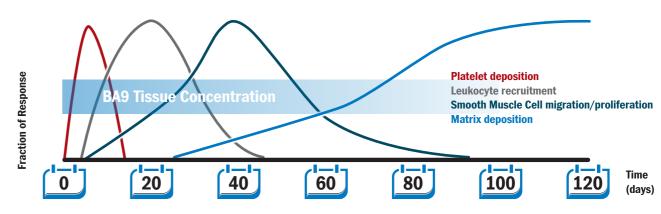


Optimizing Healing to Allow for Very Short DAPT

After about 28 days approximately 98% of BA9 is released from the stent.³



- Sustained Tissue Release up to 100 days with Therapeutic Effect^{3,4}



Adapted from Garasic J, Rogers C, Edelman ER. Stent design and the biologic response. In: Beyar R, Keren G, Leon MB, et al., eds. Frontiers in Interventional Cardiology. London: Martin Dunitz; 1997:95-100.

- Longer Half Life than other Commonly used Limus Drugs

- Approximately 20 days in tissue^{3,4}
- BA9 is broken down slower than other limus drugs, due to its chemical structure

- Potent Neointimal Suppression

BA9 acts on several cell types, including vascular smooth muscle cells;

- Pre-clinical models have shown a significant reduction in neointimal proliferation*
- Early trials in man have shown low levels of Lumen Late Loss and no episodes of Stent Thrombosis out to 5 years*