

#### **Ordering Information**

	Stent Length (mm)						
Stent diameter (mm)	9	14	19	24	29	33	36
2.25	BFC1-2209	BFC1-2214	BFC1-2219	BFC1-2224	BFC1-2229		-
2.50	BFC1-2509	BFC1-2514	BFC1-2519	BFC1-2524	BFC1-2529	BFC1-2533	BFC1-2536
2.75	BFC1-2709	BFC1-2714	BFC1-2719	BFC1-2724	BFC1-2729	BFC1-2733	BFC1-2736
3.00	BFC1-3009	BFC1-3014	BFC1-3019	BFC1-3024	BFC1-3029	BFC1-3033	BFC1-3036
3.50	BFC1-3509	BFC1-3514	BFC1-3519	BFC1-3524	BFC1-3529	BFC1-3533	BFC1-3536
4.00	BFC1-4009	BFC1-4014	BFC1-4019	BFC1-4024	BFC1-4029	-	-

Identify your HBR or HBR to become patients using the ARC-HBR app



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- New England Journal of Medicine 2015, October 14, DOI: 10.1056/NEJMoa1503943
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  Data from BioFreedom. Garot P et al. 2-Year Outcomes of High Bleeding Risk Patients After Polymer-Free Drug-Coated Stents. JACC VOL.6 9, No.2 , 2017
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- 7. Data from BioFreedom. 2017 ESC focused update on dual antiplatelet therapy in coronary artery disease developed in collaboration with EACTS.
- Euro Heart Journal Vol 39;3, 14 January 2018, Pages 213-260
- 8. M. W. Krucoff. Global Approach to High Bleeding Risk Patients With Polymer-Free Drug-Coated Coronary Stents: The LF II Study. Circ Cardiovasc Interv. 2020 Apr;13
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- 14. Mehta LS, Lewis SJ, Duvernoy CS, et al. Burnout and career satisfaction among cardiologists.

- Hendrick (C) (2016), Output of the construction of th
- §. Struts for specific stent diameter (small vessel).

BioFreedom Ultra is a trademark or registered trademark of Biosensors International Group, Ltd. BioFreedom™ Ultra is CE Mark approved.

CAUTION: The law restricts these devices to sale by or on the order of a physician and these products are intended for the use by or under the direction of a physician. Indications, contraindications, warnings and instructions for use can be found in the product labeling supplied with each device. Not available in the United States and any other country where applicable health authority product registration has not been obtained. Information contained herein only for presentation outside the US and France. © 2020 Biosensors International Group, Ltd. All rights reserved.

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#### **BIOSENSORS INTERVENTIONAL TECHNOLOGIES PTE LTD**

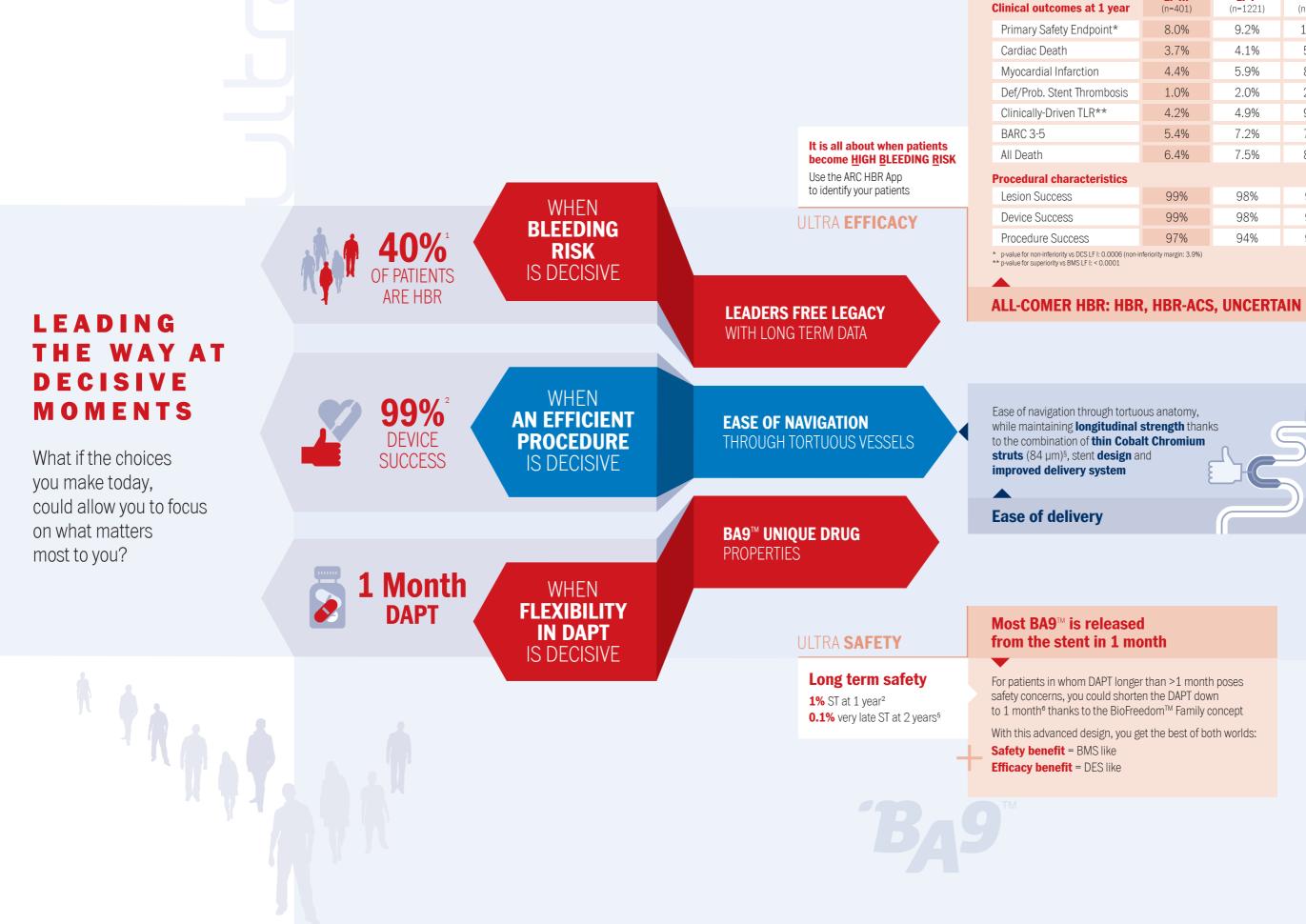
36 Jalan Tukang Singapore 619266 Tel: +65 6213 5777 Fax: +65 6213 5737





# **ULTRA RESPONSIVE**





s at 1 year	DCS CoCr LF III <sup>2</sup> (n=401)	DCS StS LF I <sup>3</sup> (n=1221)	<b>BMS</b> <b>LF I</b> <sup>4</sup> (n=1211)					
ndpoint*	8.0%	9.2%	12.7%					
	3.7%	4.1%	5.1%					
ction	4.4%	5.9%	8.7%					
hrombosis	1.0%	2.0%	2.2%					
TLR**	4.2%	4.9%	9.3%					
	5.4%	7.2%	7.2%					
	6.4%	7.5%	8.7%					
octeristics								
	99%	98%	98%					
	99%	98%	98%					
SS	97%	94%	94%					
CS LF I: 0.0006 (non-inferiority margin: 3.9%)								





### **Efficient procedure**

Improved deliverability to shorten procedure time. BioFreedom<sup>™</sup> Ultra enhances procedure success for the benefit of the patient<sup>2</sup>

## 350'000 patients<sup>®</sup> treated

during

## FOCUS **ON WHAT** MATTERS

In your patient journey, BioFreedom<sup>™</sup> Ultra is designed to simplify device related concerns, so that you can focus on what matters to You!

### PATIENTS GLOBALLY

To date BioFreedom<sup>™</sup> is the only commercially available DCS stent referenced in the ESC DAPT guidelines<sup>7</sup>

**Peer recommendation** 

#### **Positive outcomes** reproducible to all patients

The LEADERS FREE global clinical trial program (I, II, III, Japan)<sup>2,8,9</sup> proves a significant improvement of outcomes across a broad spectrum in HBR patients

**3000 HBR patients**<sup>10</sup> studied in Randomized Clinical Trials

**13 publications** covering all presentations from the LEADERS FREE trial program. They include detailed subgroup analysis showing the patient benefit brought by BioFreedom and covering most patients encountered in the cath lab.

BL REPRODUCI JLTRA

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before implantation



#### **Real life data**

BioFreedom<sup>™</sup> demonstrated a very **favorable** safety (0.4% ST) and efficacy profile (1.4% TLR) at one year in real world clinical setting in the all-comer **RUDI FREE** registry<sup>12</sup> In all-comer STEMI patients BioFreedom demonstrated a low 4.6% MACE rate at one year with only 0.6% Cardiac Death and 1.1% def/prob ST. The **BESAMI MUCHO** registry<sup>13</sup> adds more evidence to the **increased benefit** seen for BA9<sup>™</sup> stents

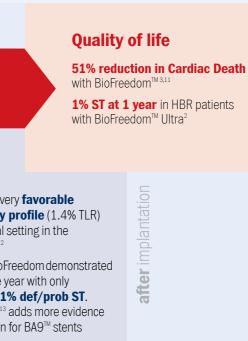
#### SIDE BY SIDE IN DEMANDING MOMENTS

in AMI patients.

As job requirements become more complex, the burden on individuals increases. When we add the pressure of everyday life, it impacts significantly on our decision making and our ability to manage decisive moments.

We know that health care professionals are particularly exposed<sup>14,15</sup>. They must deal, in a short time, with a large volume of work and a great complexity of tasks. In the cath lab, staying calm is vital during those decisive moments that matter to you and ultimately, the patient.

### ULTRA DELIVERABLE





At Biosensors International, we are doing everything we can to reduce complexity. The experience and interaction of all our staff is there to support you especially at important moments.

Everything we do, from the design of new devices to our high-quality customer service, aspires to contribute to the well-being not only of patients, but also of the medical community.



## BA9

### BA9<sup>™</sup> (Biolimus A9<sup>™</sup>) is the only drug designed specifically for coronary stent application

After many years of research and up to 11 iterations, BA9 was selected for properties that would support healing and re-endothelialization.

An enhanced lipophilicity makes the drug hydrophobic, allowing for a rapid transfer of the drug to the vessel wall, in the absence of a polymer or carrier and with no loss to the systemic system.

With greater local bioavailability and a longer in-tissue residence time of 20 days, BA9 is a unique drug and is proprietary of Biosensors International Group, Ltd.

### OPTIMIZED PROCEDURE

BioFreedom<sup>™</sup> Ultra polymer and carrier-free Drug-Coated Stent

### BA9<sup>™</sup> 8.3x GREATER TISSUE RETENTION<sup>16</sup> vs Sirolimus 10x more LIPOPHILIC<sup>10</sup>

Long 20-day HALF-LIFE

AFTER 30 DAYS

AFTER 100 DAYS



AFTER IMPLANT

#### SMS: Selectively Microstructured Surface

Only the abluminal surface of the stent receives the SMS treatment, allowing  $BA9^{TM}$  to be contained in the microstructured surface and delivered with high specificity to the vessel wall of the coronary lesions.

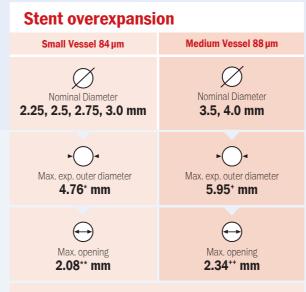
With no polymer or carrier, BA9+SMS makes BioFreedom<sup>™</sup> a true Drug-Coated Stent (DCS).

The SMS process allows for an increased surface area for a uniform dose of BA9 to be delivered to the target lesion.



#### ULTRA RESISTANCE

Excellent radial and longitudinal force with optimal struts thickness



\* BioMatrix Alpha stent: 3.0x19 mm (n=1) - Limited sample size. Post-dilated with a 5.0 mm balloon at nominal pressure. \*\* BioMatrix Alpha stent: 4.0x19 mm (n=1) - Limited sample size. Post-dilated with a 6.0 mm balloon at nominal pressure.

 BioMatrix Alpha stent: 3.0x19 mm (n=1) - Limited sample size. Post-dilated with a 6.0 mm balloon at nominal pressure. ++ BioMatrix Alpha stent: 4.0x19 mm (n=1) - Limited sample size. Post-dilated with a 5.0 mm balloon at nominal pressure.

Caution: In vitro testing only. Overexpansion increases stent stiffness which may increase the risk of metal fatigue and the potential risk of fractures over time. Dilatation beyond stent labelled is not recommended as mechanical efficiency and drug delivery efficiency both remain unknown under such extreme overexpansion. Physicians should refer to the product IFU. All figures from bench test data on file Biosensors International Group, Ltd.

