



HBR



SMS



BA9

BIOFREEDOMTM
POLYMER- & CARRIER-FREE DRUG-COATED CORONARY STENT SYSTEM

Powered by



Freedom to treat with Selectively Micro-structured Surface (SMS)



BIOSENSORS
INTERNATIONALTM

Freedom to treat



Why Stent Surface Matters for BioFreedom

Why a Drug-Coated Stent?

Using proprietary technologies Biosensors has developed a unique DCS (Drug-Coated Stent) without a polymer or carrier that is both significantly safer and more effective than a Bare Metal Stent (BMS).

The Selectively Micro-structured Surface (SMS) Retains the BA9 Drug...

SMS is only applied to the abluminal surface of the BioFreedom stent, allowing BA9 to be contained on the micro-structured surface and delivered in a **uniform dose** to the target lesion. The combined benefit of SMS and BA9 allow drug delivery without the need for a polymer or carrier making BioFreedom a true DCS

BA9 Drug Delivered Only Where it Matters

As only the abluminal surface of the stent is SMS treated, BA9 is delivered exactly where it's needed, at the target lesion site in the vessel wall.

Promotes Rapid Re-endothelialization

By leaving a bare metal stent luminal surface and therefore removing potential sources of inflammation that delay or interrupt re-endothelialisation, BioFreedom promotes rapid re-endothelialization and the healing process.*



STENT
PLATFORM

SMS
TREATMENT
(ABLUMINAL SURFACE)

DCS
BA9 APPLICATION
DIRECTLY ON
THE STENT

With 1 Month DAPT Regime, BioFreedom is ideally suited for High Bleeding Risk (HBR) patients

The combination of only metal and drug without any polymer or carrier and the rapid transfer of BA9 from the DCS makes BioFreedom the most relevant choice of stent for High Bleeding Risk (HBR) patients who cannot tolerate a long dual antiplatelet therapy (DAPT) regime.

* Data on file

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