

Meo:DrugStarST

Drug Eluting Stent System

The New DES Generation: “Skin-like Coating” Technology



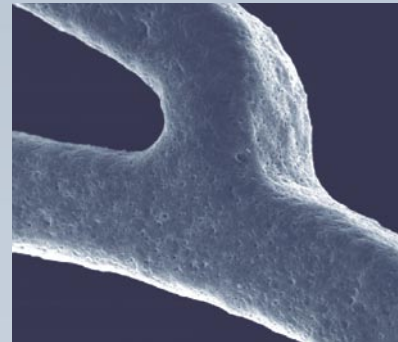
The Stent Delivery System

A balloon catheter with molded atraumatic micro tip and tailor-made shoulders in an optimized length.



The Stent

A flexible open cell stent for optimal side branch access with higher “end density”.



The Coating

A “skin-like” non bio-degradable coating with high mechanical stability: a homogenous mix of coating polymer and Paclitaxel, 4–6 micron outside, 1–2 micron inside.

meo
medical

Doing Things Better

Meo:DrugStarST

Drug Eluting Stent System

The Stent Delivery System

Molded atraumatic micro tip: 55 Shore D short taper tip
 Tailormade balloon shoulders: 30 degree cone angles
 Optimized balloon length: 0.5 mm balloon overhang
 Minimum stent profile: 0.98 mm for 2.5 mm balloon

The Stent

Flexible open cell design: Modified Flex design
 Uniform coverage: Shorter longitudinal struts
 Side branch access: Open cell design
 Low stent recoil: 2.71 % for 4.0 mm
 Higher end density: More struts at stent ends

The Coating

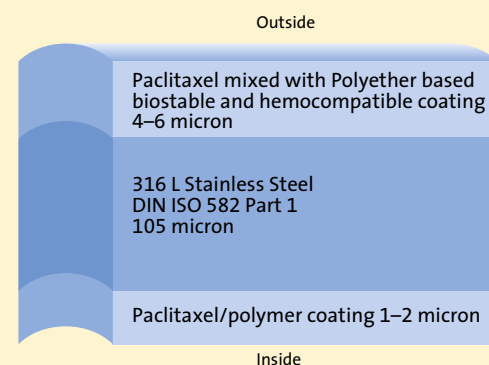
Homogenous non bio-degradable coating
 Monophase coating of polymer drug mix
 Circumferential coating jacket through spray coating
 Coating thickness: 4–6 micron outside and 1–2 micron inside
 High mechanical stability of the coating

The Drug

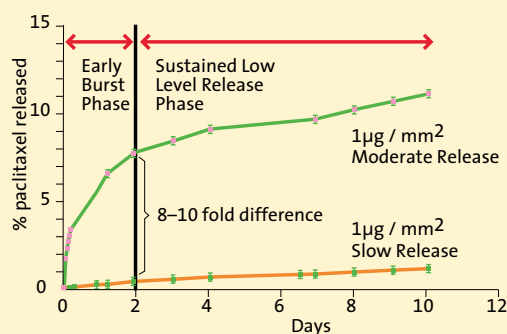
Known proven drug: Paclitaxel w/w approved drug
 Target dose 1 µ/sqmm: Target dose tolerance of 10 %
 48 hours early burst phase: 10 % release in the first 48 hours
 Therapeutic release 28 days: 30 % release after 28 days
 Min. release up to 180 days: 40 % release after 180 days

Strut composition

Longitudinal cut through stent strut



Release kinetic



Catalog Numbers

Stent Diameter (mm)	Stent Length (mm)					
	10	13	18	23	28	32
2.5	2-D00-2510-1	2-D00-2513-1	2-D00-2518-1	2-D00-2523-1	2-D00-2528-0	2-D00-2532-0
3.0	2-D00-3010-1	2-D00-3013-1	2-D00-3018-1	2-D00-3023-1	2-D00-3028-0	2-D00-3032-0
3.5	2-D00-3510-1	2-D00-3513-1	2-D00-3518-1	2-D00-3523-1	2-D00-3528-0	2-D00-3532-0
4.0	2-D00-4010-1	2-D00-4013-1	2-D00-4018-1	2-D00-4023-1	2-D00-4028-0	2-D00-4032-0

MeoMedical GmbH
 Potsdamer Strasse 12
 D-80802 München
 Phone: +49 (0)89-32389960
 Fax: +49 (0)89-32389970
www.meomedical.de
info@meomedical.de

distributed by

meo
medical
 Doing Things Better