



APOLLO

Paclitaxel Eluting Coronary Stent

Technology for Life



 **InTek** *inside*

CE 0124



Drug - Paclitaxel

Multi- functional

- restenotic cascade Interrupts
- Inflammatory
 - Migratory
 - Proliferative
 - Secretory
 - Extracellular Matrix

Stable and Robust

Extensive human experience with Paclitaxel

Binds tubulin

Microtubular dynamics

Multicellular

Multifunctional

Paclitaxel

- Pacific Yew Tree
- Taxus Brevifolia

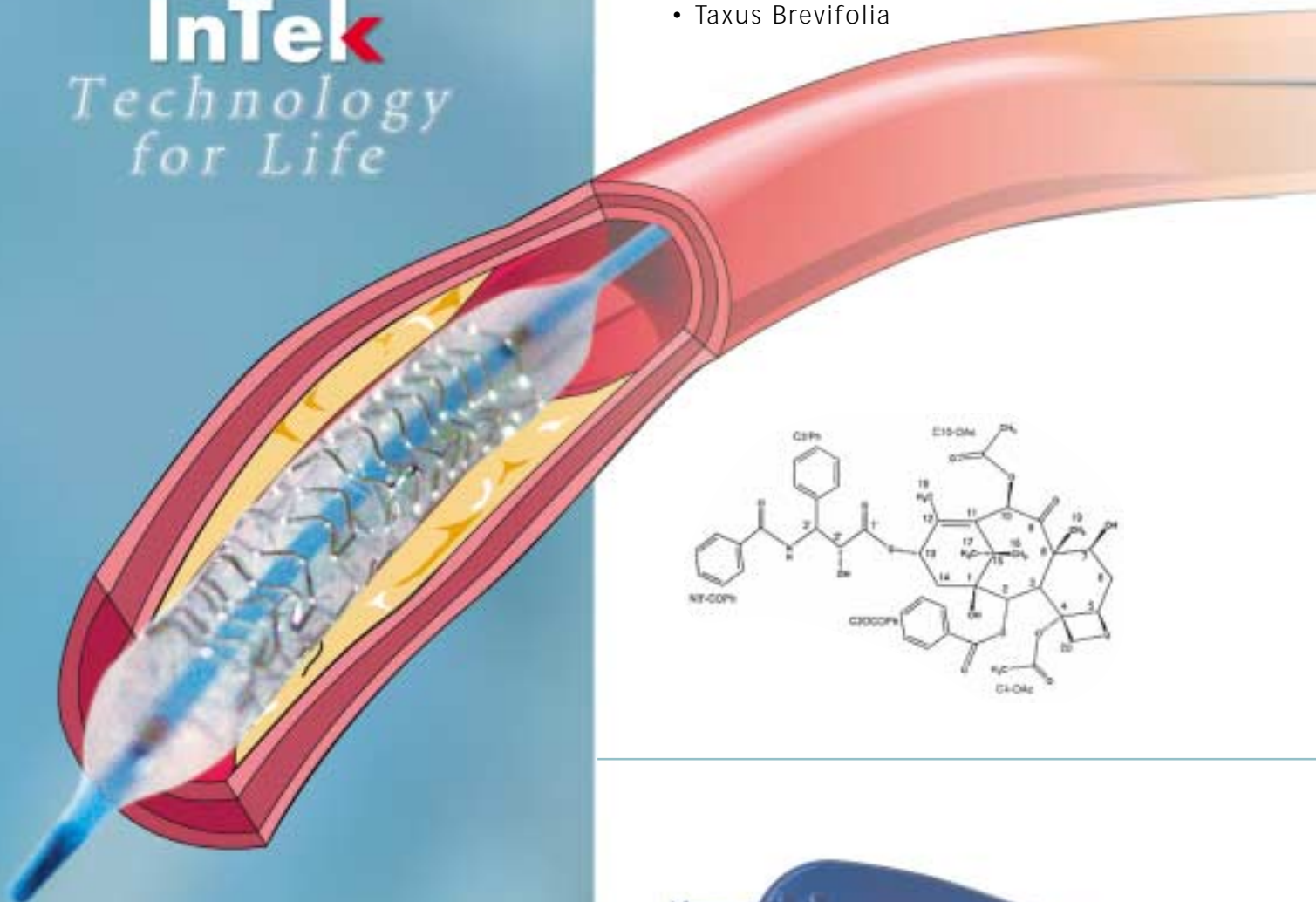


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Paclitaxel-Eluting Coronary Stent

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Polymer Based Drug Delivery

Considered a gold standard in diastasis for over two decades due its hemocompatibility and thrombosistance

Benefits:

- Local, targeted, short-term, low-dose drug delivery
- Controlled release of drug from polymer
- Homogeneous drug coverage along stent
- Retention of drug on stent during handling.
- Prevention of:
 - Drug loss during implantation
 - Overdose from non uniform drug distribution and immediate burst release of total loaded dose

Apollo Polymer Matrix Drug Delivery System

- Low paclitaxel dose loading in the polymer.
- Drug particulate dispersed throughout the polymer matrix
- Optimal Release of low concentration of paclitaxel over a short period of time

Properties

- Biostable
- Biocompatible
- Hemocompatible
- Highly expansive

• **Glass transition temperature**

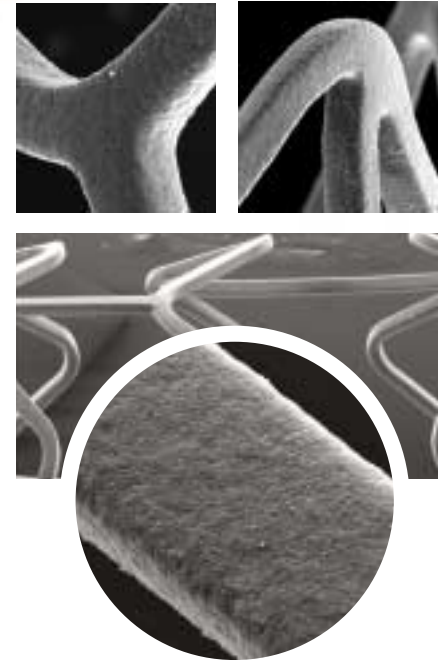
approximately 170°C

• **Storage up to 55°C (limited by catheter materials)**

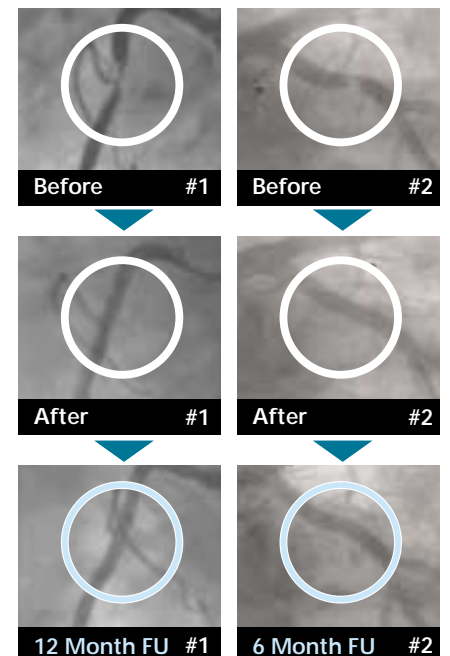
• **Thromboresistance**

Coating Dimensions

- One layer asymmetric coating
- Drug-releasing outer matrix 5-7 μm
- Inner matrix 2 μm

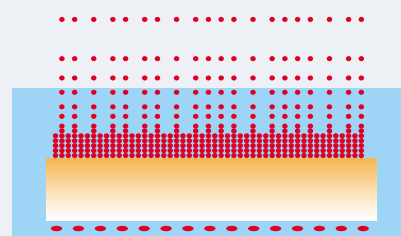


Unique Apollo Polymer Coating Key Component for Safe and Efficient DES



Uniform Biocompatible Elastomeric Polymer Provides Controlled Drug Release

- Paclitaxel molecules
- Biostable drug eluting polymer
- Stent strut

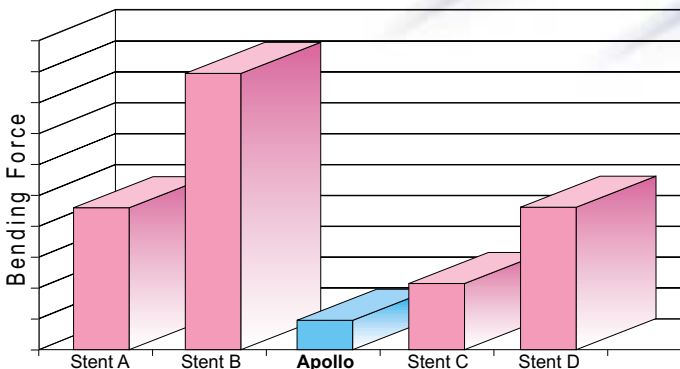
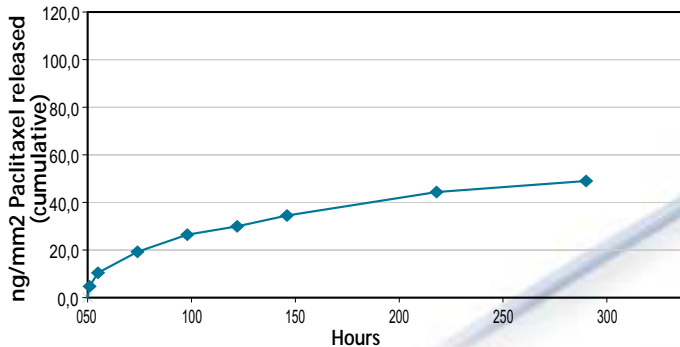


- Proximal shaft provides high pushability
- Proximal shaft: PTFE coated hypo-tube.

Expand your Clinical Potential



Drug Concentration and Release Specification



Stent Flexibility Testing Results

- Excellent Side Branch Preservation and Access
- Access to Tortuous Anatomy
- Minimized Plaque Prolapse
- Minimal Vessel Straightening

European Clinical Trial - Pilot I

Overall Safety to 3 years

- Early stent thrombosis: 0%
- Late stent thrombosis: 0%
- MACE: 3.75%
 - All deaths (2 patients): 3.75%
 - Cardiac deaths: 0%
 - MI: 0%

Overall Efficacy to 3 years

- Target Lesion Revascularization: 1.9%
- Target Vessel Revascularization: 1.9%
- Binary Restenosis: 3.8%
- Late lumen loss (Mean, mm): 0.29

Pilot II

Overall safety to 13 months

- Early stent thrombosis: 0%
- Subacute stent thrombosis: 0.8%
- Late stent thrombosis: 0%
- Cardiac deaths: 0%
- MI: 0%

Guide wire exit point and transitional segment with anti-kink platform

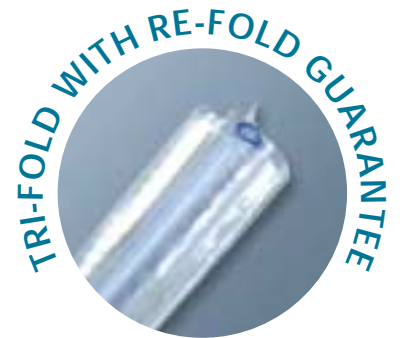
- Highly flexible distal shaft for optimal trackability and lesion crossing
- Guaranteed 5 French compatibility and excellent visibility
- Hydrophilic coating of distal part.



Stent - Platform of Jupiter Stent

Good Compliance

- The Apollo Stent with Implantation systems provides best performance and reliability.
- Innovative tubular slotted design provides high flexibility, mechanical strength, radial force and low recoil.
- Laser cut stent with no welds or weak points
- Innovating electropolishing technic provides smooth stent surface for better delivery.
- Highly functional stent design provides high mechanical strength, high conformability to the natural shape of the vessel and low straightening of the stented arterial segment.
- High radial force to keep the vessel lumen open and resist vessel recoil.
- Special balloon folding technique provides secure stent fixation, low profile and reliable stent expansion.
- Excellent balloon memory and refolding properties for fast and complete deflation.
- NO FORSHORTENING



Laser welded balloon



Apollo DES has a biostable, hemocompatible polymer coating. Paclitaxel concentration in the polymer is 1µg/mm².



- The most complete portfolio of stents.
- Available in a wide array of diameters and lengths, allowing a physician to fit the stent precisely within a lesion.



Product	Catalogue no.	Balloon diameter	Stent length
Apollo CE 0124	ADD2.0-10	2.0	10
	ADD2.0-14	2.0	14
	ADD2.0-18	2.0	18
	ADD2.0-24	2.0	24
	ADD2.0-28	2.0	28
	ADD2.0-34	2.0	34
	ADD2.0-38	2.0	38
Apollo CE 0124	ADD2.25-10	2.25	10
	ADD2.25-14	2.25	14
	ADD2.25-18	2.25	18
	ADD2.25-24	2.25	24
	ADD2.25-28	2.25	28
	ADD2.25-34	2.25	34
	ADD2.25-38	2.25	38
Apollo CE 0124	ADD2.5-10	2.5	10
	ADD2.5-14	2.5	14
	ADD2.5-18	2.5	18
	ADD2.5-24	2.5	24
	ADD2.5-28	2.5	28
	ADD2.5-34	2.5	34
	ADD2.5-38	2.5	38
Apollo CE 0124	ADD2.75-10	2.75	10
	ADD2.75-14	2.75	14
	ADD2.75-18	2.75	18
	ADD2.75-24	2.75	24
	ADD2.75-28	2.75	28
	ADD2.75-34	2.75	34
	ADD2.75-38	2.75	38
Apollo CE 0124	ADD3.0-10	3.0	10
	ADD3.0-14	3.0	14
	ADD3.0-18	3.0	18
	ADD3.0-24	3.0	24
	ADD3.0-28	3.0	28
	ADD3.0-34	3.0	34
	ADD3.0-38	3.0	38
Apollo CE 0124	ADD3.25-10	3.25	10
	ADD3.25-14	3.25	14
	ADD3.25-18	3.25	18
	ADD3.25-24	3.25	24
	ADD3.25-28	3.25	28
	ADD3.25-34	3.25	34
	ADD3.25-38	3.25	38
Apollo CE 0124	ADD3.5-10	3.5	10
	ADD3.5-14	3.5	14
	ADD3.5-18	3.5	18
	ADD3.5-24	3.5	24
	ADD3.5-28	3.5	28
	ADD3.5-34	3.5	34
	ADD3.5-38	3.5	38
Apollo CE 0124	ADD4.0-10	4.0	10
	ADD4.0-14	4.0	14
	ADD4.0-18	4.0	18
	ADD4.0-24	4.0	24
	ADD4.0-28	4.0	28
	ADD4.0-34	4.0	34
	ADD4.0-38	4.0	38

INDICATIONS

The coronary stent system is designed for treating an acute or impending occlusion in connection with a coronary operation.



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