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PCI PRODUCTS CATALOG

LIKANG BIOTECHNOLOGY

Innovation That Opens
Hearts - Premium PCI
Solutions

Paclitaxel Coated PTCA Balloon Catheter



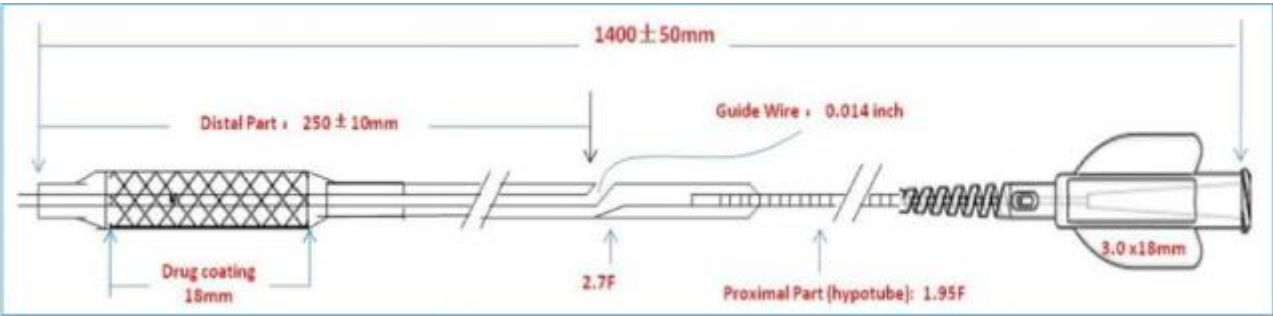
Efficient Drug Delivery
and Proven Efficacy

Technical Information

Likangxiangyun® Paclitaxel Coated Coronary Balloon Catheter	
Parameter	Specification
Platform	Rapid Exchange (Rx)
Balloon Material	PA
Marker Material	Platinum-Iridium
Tip Length	3 ± 1 mm
Distal Shaft Diameter	0.89 ± 0.05 mm 0.75 ± 0.05 mm
Proximal Shaft Diameter	0.67 ± 0.05 mm
Compliance	Semi-compliant
Nominal Pressure (NP)	8 atm
Rated Burst Pressure (RBP)	16 atm
Catheter Shaft Length	140 ± 5 cm
Maximum Guide Wire Compatibility	0.014 inch
Shelf Life	24 months
Tip Entry Profile	0.016 inch/0.014 inch
Balloon Crossing Profile	2.00-2.25 : 0.90 mm (± 0.05 mm) 2.75-3.00: 1.00 mm(± 0.05 mm) 3.25-3.50 : 1.10 mm (± 0.05 mm) 3.75-4.00 : 1.15 mm(± 0.05 mm)
Minimum Guiding Catheter ID	5F

Design Features

The system comprise of drug delivery specific balloon catheter and polymer-free paclitaxel drug coating.



Drug Delivery Specific Balloon Catheter (Lumineer)

Designed specifically for drug and stent delivery with features of semi-compliant, excellent crossability and precision balloon expansion

Special Coating Technology

Uniformly 100% surface coating, precision drug loading and controlled drug release profile

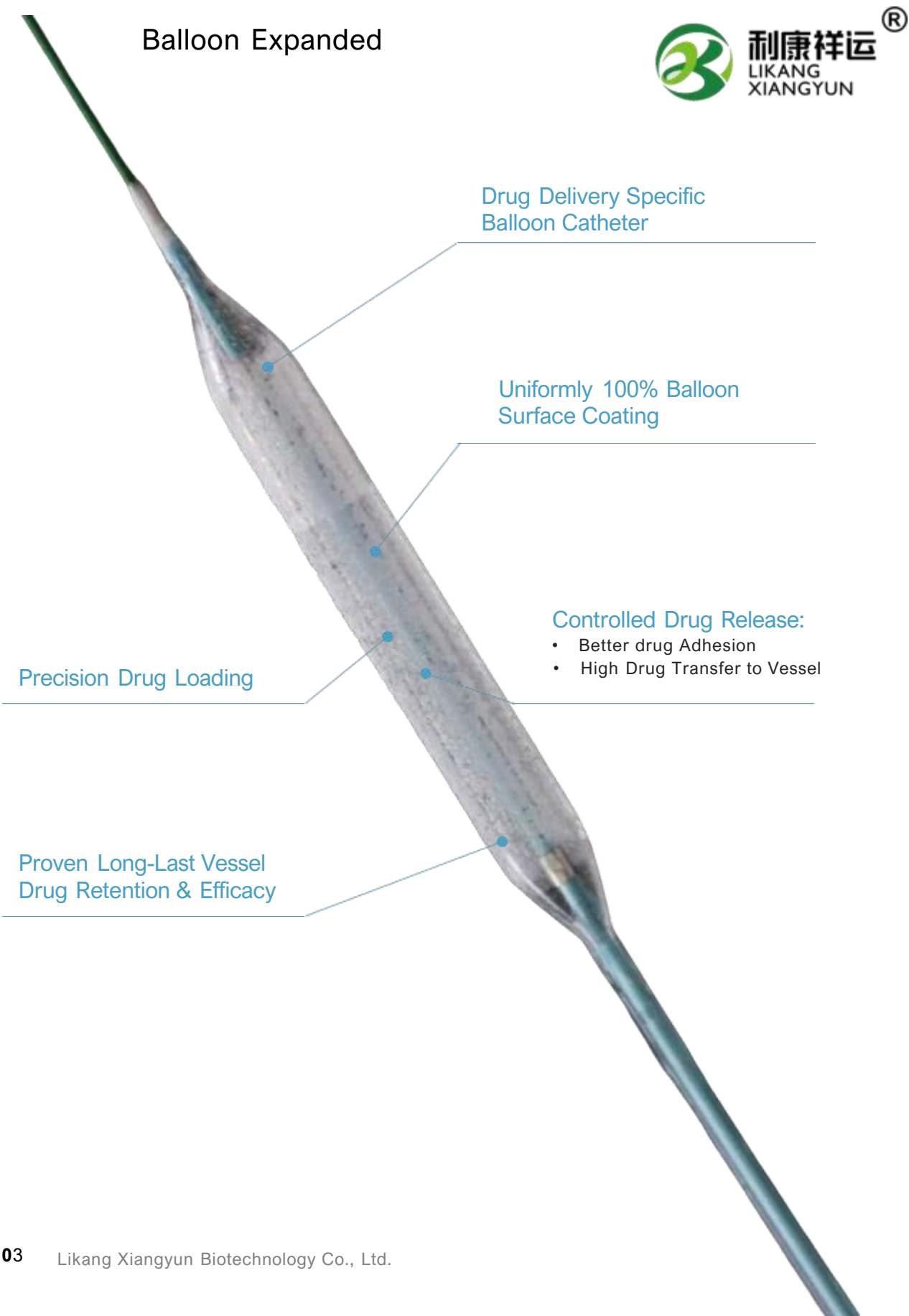
Evidence-driven of Medicine

Minimum drug loss during delivery and controlled release profile during balloon expansion

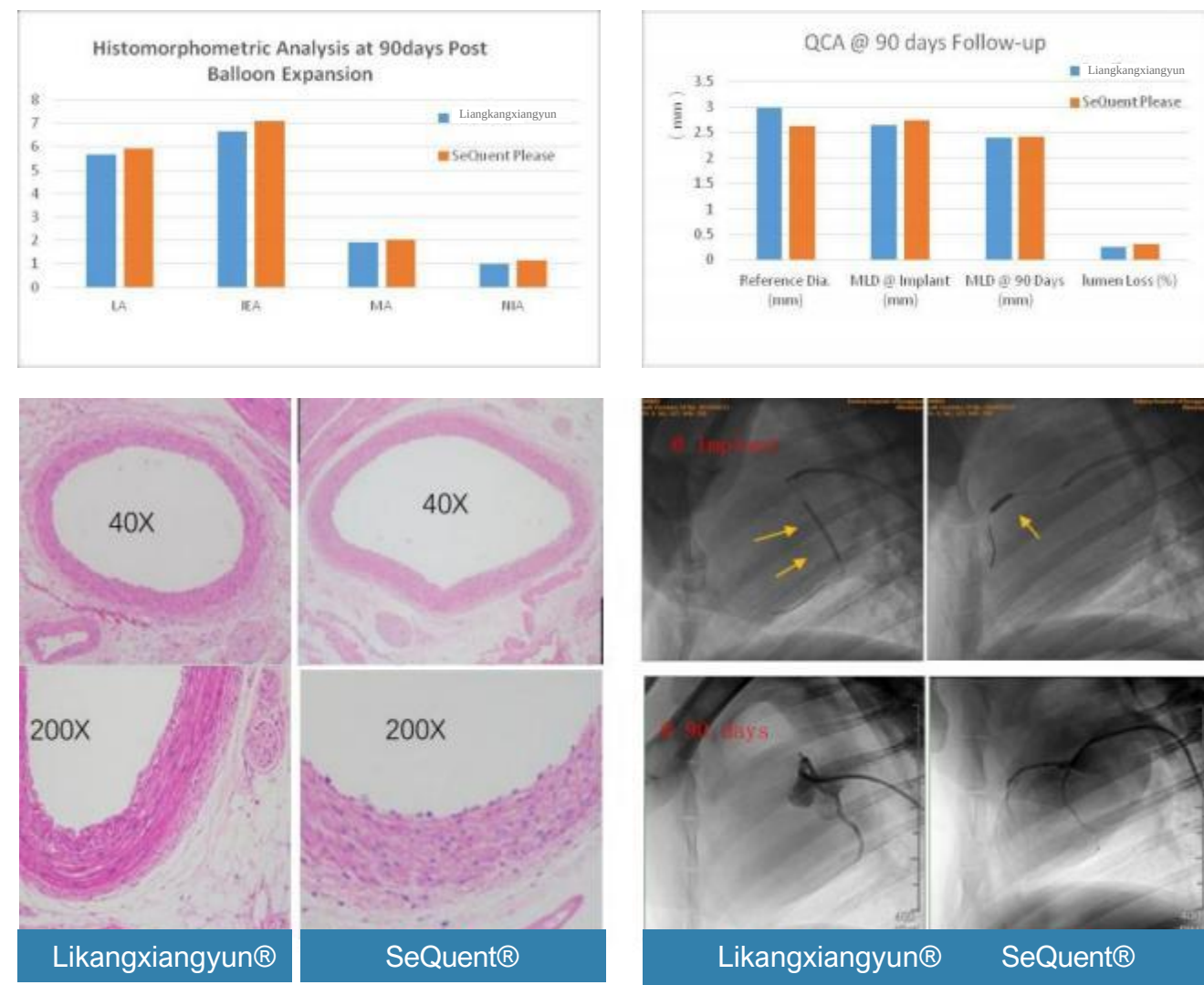
Proven Long-last vessel drug retention and efficacy

Effective drug dose remain in vessel up to 35 days post balloon expansion.

Paclitaxel Coated PTCA BalloonCatheter



Evidence-Driven Device Safety and Efficacy

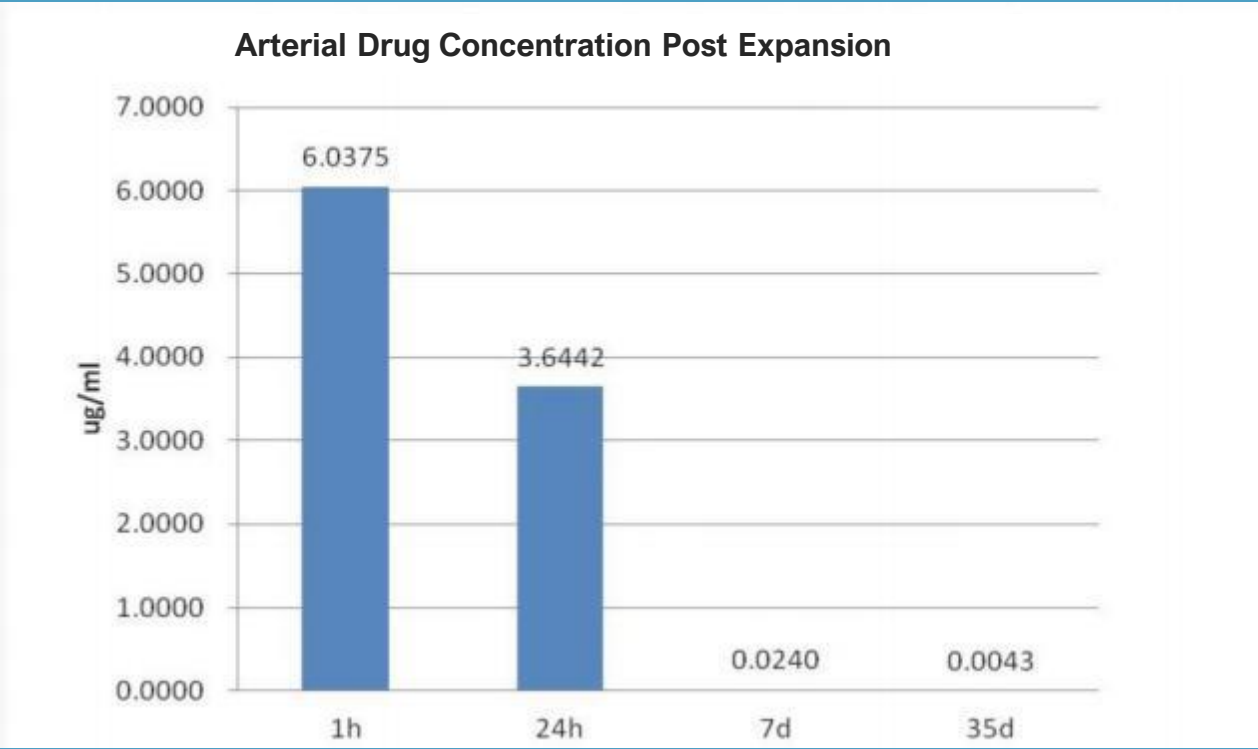


QCA and Histomorphometric comparison between SeQuent & LiKangxiangyun porcine coronary arteries 90 days post expansion:

There are no significant different.

(LA: lumen Area; IEA: internal Elastic Area; MA: Media Area; NIA: Neointima Area; RFD: vessel reference diameter; MLD: minimal lumen diameter; Lumen loss(%DS)=LLL/MLD post x 100%.(inside Data).

Evidence-Driven Device Safety and Efficacy



Coronary Vessel Paclitaxel Residual Dosage

Sufficient and remain up to 35 days post balloon expansion

(Paclitaxel safe & efficacy concentration: 0.0085-0.85ug/ml. Axel et al: Circulation.1997; 96:636-645;Solliot et al; J.Clin.Invest.1995;95: 1869-1876)

Likangxiangyun PTX Pharmacokinetics Study(PK)						
Tissues		Time Points(ug/g)				
		0	1h	24h	7 days	35 days
Blood		2.62*	0.0084±0.0043 (n=8)	0	0	0
Vessels(Balloon Injured)		/	6.04±1.78 (n=4)	3.64±2.21 (n=5)	0.024±.0082 (n=3)	0.0043±0.0018 (n=3)
Core Life Organs	Myocardium		0.21	0.006	0	0
	Liver		0	0	0	0
	Spleen		0	0	0	0
	Lung		0	0	0.0091	0
	Kidney		0	0	0	0
	Brain		0	0	0	0

PK Data

Paclitaxel (PTX) was detected only within one week in the core organs post balloon expansion, and within safe range (Inside data)

Order Information

LiKangxiangyun Paclitaxel-Coated PTCA Balloon Catheter(sizes)								
Balloon Diameter (mm)	Balloon Length(mm)							
	10	14	18	22	26	30	34	38
2.00	PCB20010	PCB20014	PCB20018	PCB20022	PCB20026	PCB20030	PCB20034	PCB20038
2.25	PCB22510	PCB22514	PCB22518	PCB22522	PCB22526	PCB22530	PCB22534	PCB22538
2.50	PCB25010	PCB25014	PCB25018	PCB25022	PCB25026	PCB25030	PCB25034	PCB25038
2.75	PCB27510	PCB27514	PCB27518	PCB27522	PCB27526	PCB27530	PCB27534	PCB27538
3.00	PCB30010	PCB30014	PCB30018	PCB30022	PCB30026	PCB30030	PCB30034	PCB30038
3.25	PCB32510	PCB32514	PCB32518	PCB32522	PCB32526	PCB32530	PCB32534	PCB32538
3.50	PCB35010	PCB35014	PCB35018	PCB35022	PCB35026	PCB35030	PCB35034	PCB35038
3.75	PCB37510	PCB37514	PCB37518	PCB37522	PCB37526	PCB37530	PCB37534	PCB37538
4.00	PCB40010	PCB40014	PCB40018	PCB40022	PCB40026	PCB40030	PCB40034	PCB40038

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.

Indications

- A. De novo lesions (primary use in the case of stenosis or occlusion) including small vessels (SVD)
- B. Residual stenosis after balloon or stent PTCA
- C. Pre and post dilatation during coronary stent implantation
- D. Acute or impending vascular occlusion

Instruction for Use

Material required to perform a PTCA balloon catheter procedure:

- Rapid Exchange PTCA catheter

• Guiding catheter

• Inflation syringe with gauge
- Introduction lock set with dilator

• 0.014 inch x 175 cm guide wire

• Contrast medium
- Y-connector with ha

emostatic adapter

Prior to use, it is essential that all the instruments, catheters and individual components are carefully checked. An integrity test of the balloon (with the protective balloon sheath left in place), a complete removal of air from the system and a thorough control of the connectorseals are mandatory

Detail description for Indications, contraindications, warnings and instructions for use can be found in the product labeling supplied with each device

The drug used is paclitaxel with a dosage of 3.0 µg/mm. Drug release begins upon contact and generally takes 30–60 seconds

Non-Compliant PTCA Balloon Catheter

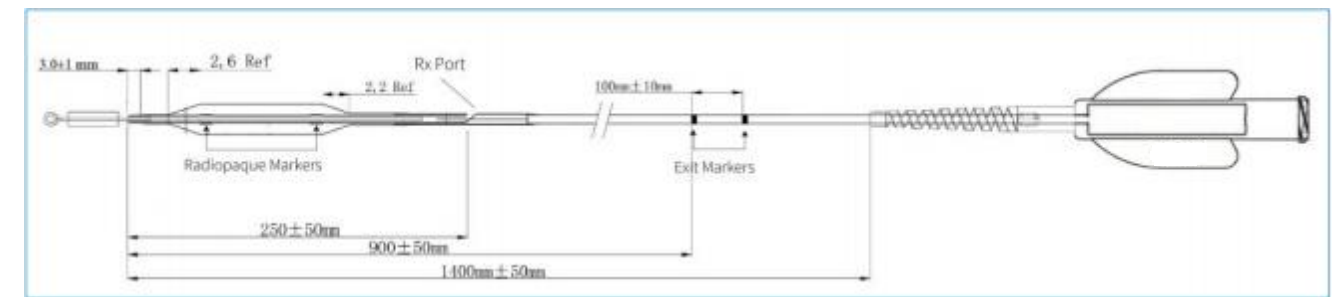


Precision Controlled
Expansion& High Pressure



CE marked & NMPA registered

Design Features



Non-compliant Balloon Catheter

Designed specifically for Pre DEB and Post stenting dilatation

Precision Expansion

Precision controlled balloon diameter and length expansion,making the vessel dilated as wanted

High Pressure&Rupture-Resistant

Endured high pressure (>18 Bars) and Rupture -Resistant design making the device safer during dilatation

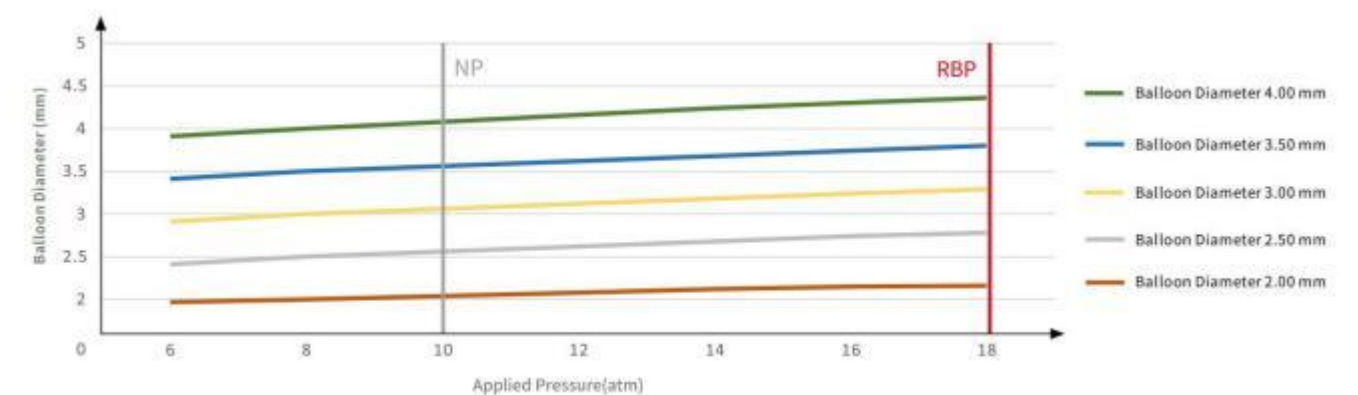
Excellent Crossability

Minimum intro-profile making the device easy use in small vessel.
Hydrophilic coating reduces friction.

Maximum Pushability

TranSmooth™ design maximizes pushability

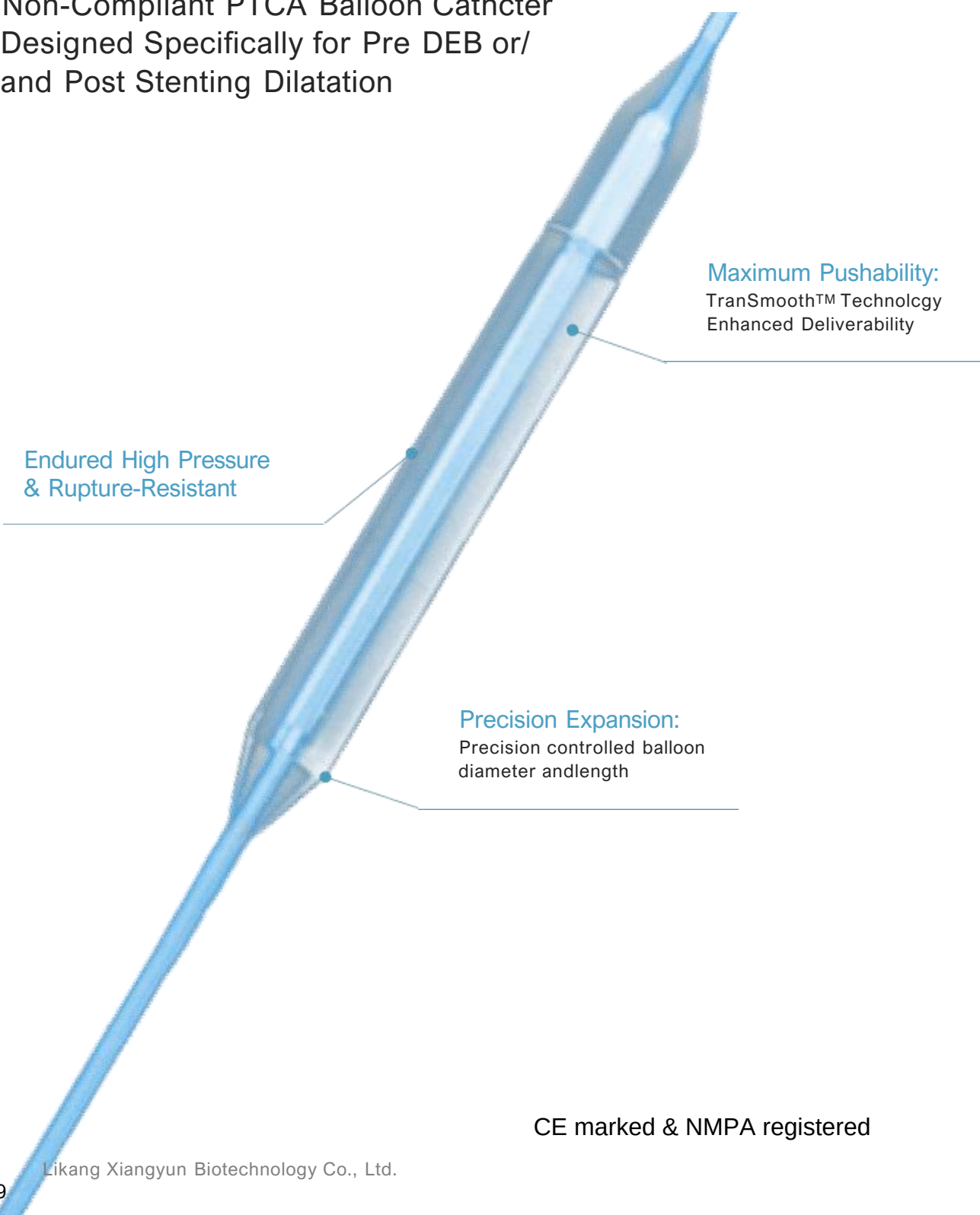
HyperForm Compliance chart



Non-Compliant PTCA Balloon Catheter



Non-Compliant PTCA Balloon Cathcter
Designed Specifically for Pre DEB or/
and Post Stenting Dilatation



CE marked & NMPA registered

Likang Xiangyun Biotechnology Co., Ltd.

Technical Information

Likangxiangyun® Coronary Dilatation Balloon Catheters (Non-Compliant)	
Parameter	Specification
Platform	Rapid Exchange (Rx)
Balloon Material	PA
Marker Material	Platinum-Iridium
Tip Length	3 ± 1 mm
Distal Shaft Diameter	0.89 ± 0.05 mm 0.75 ± 0.05 mm
Proximal Shaft Diameter	0.67 ± 0.05 mm
Compliance	Non-compliant
Nominal Pressure (NP)	10 atm
Rated Burst Pressure (RBP)	18 atm
Catheter Shaft Length	140 ± 5 cm
Maximum Guide Wire Compatibility	0.014 inch
Shelf Life	24 months
Tip Entry Profile	0.016 inch/0.014 inch
Balloon Crossing Profile	2.00-2.25:0.80mm (±0.05mm) 2.50-2.75:0.85mm(±0.05mm) 3.00-3.50:0.90mm (±0.05mm) 3.75:0.95mm(±0.05mm) 4.00:1.00mm(±0.05mm)
Minimum Guiding Catheter ID	5F

Order Information

Likangxiangyun® Non-Compliant PTCA Balloon Catheter Order Information								
Balloon Diameter (mm)	Balloon Length(mm)							
	10	14	18	22	26	30	34	38
2.00	NC2.00X10	NC2.00X14	NC2.00X18	NC2.00X22	NC2.00X26	NC2.00X30	NC2.00X34	NC2.00X38
2.25	NC2.25X10	NC2.25X14	NC2.25X18	NC2.25X22	NC2.25X26	NC2.25X30	NC2.25X34	NC2.25X38
2.50	NC2.50X10	NC2.50X14	NC2.50X18	NC2.50X22	NC2.50X26	NC2.50X30	NC2.50X34	NC2.50X38
2.75	NC2.75X10	NC2.75X14	NC2.75X18	NC2.75X22	NC2.75X26	NC2.75X30	NC2.75X34	NC2.75X38
3.00	NC3.00X10	NC3.00X14	NC3.00X18	NC3.00X22	NC3.00X26	NC3.00X30	NC3.00X34	NC3.00X38
3.25	NC3.25X10	NC3.25X14	NC3.25X18	NC3.25X22	NC3.25X26	NC3.25X30	NC3.25X34	NC3.25X38
3.50	NC3.50X10	NC3.50X14	NC3.50X18	NC3.50X22	NC3.50X26	NC3.50X30	NC3.50X34	NC3.50X38
3.75	NC3.75X10	NC3.75X14	NC3.75X18	NC3.75X22	NC3.75X26	NC3.75X30	NC3.75X34	NC3.75X38
4.00	NC4.00X10	NC4.00X14	NC4.00X18	NC4.00X22	NC4.00X26	NC4.00X30	NC4.00X34	NC4.00X38

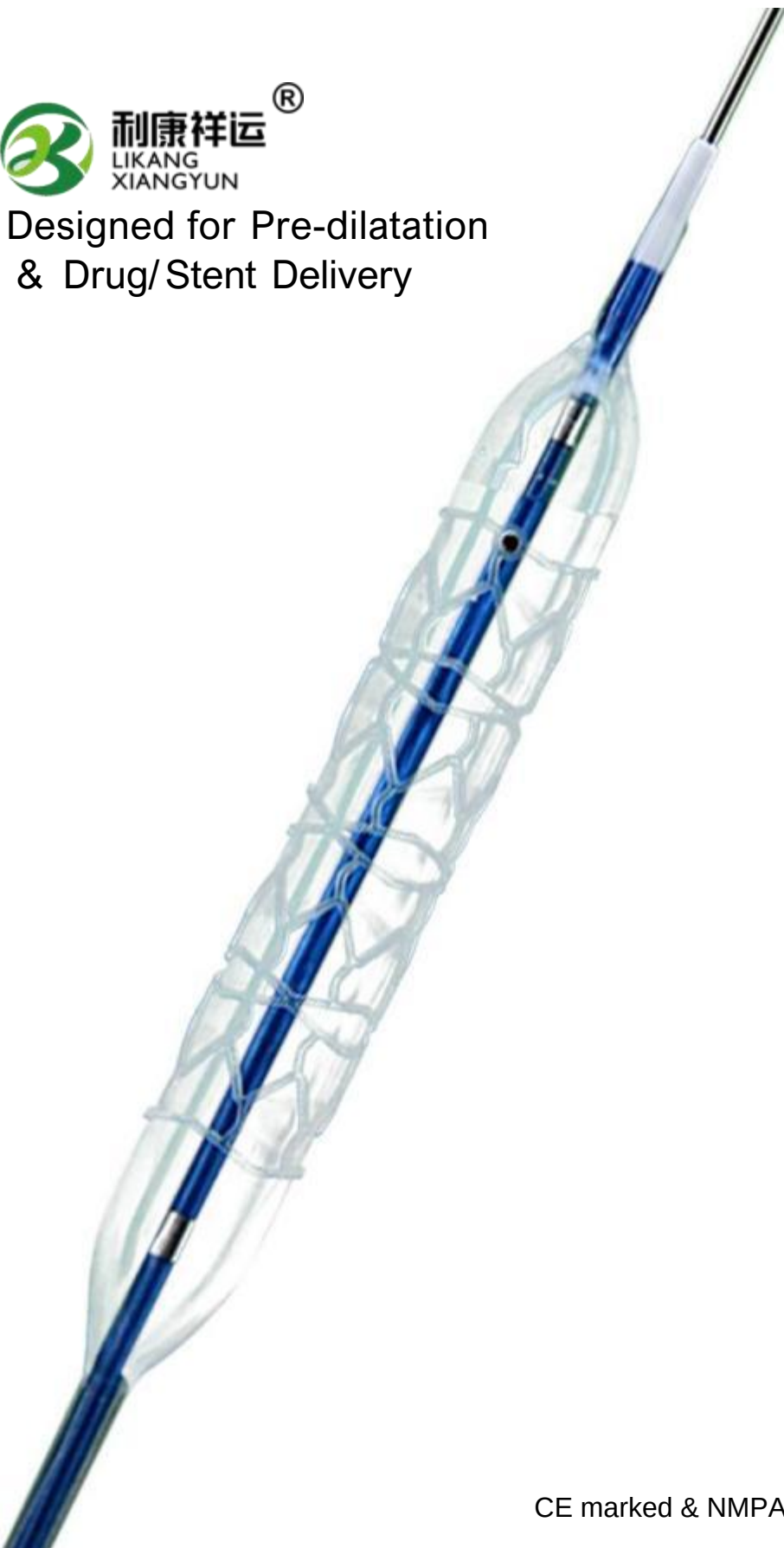
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Likang Xiangyun Biotechnology Co., Ltd.

Semi-Compliant PTCA Balloon Catheter

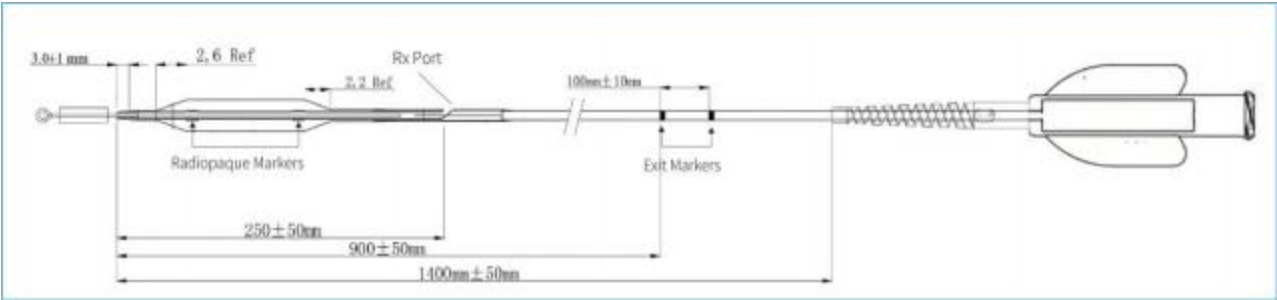


Designed for Pre-dilatation
& Drug/Stent Delivery



CE marked & NMPA registered

Design Features



Semi-Compliant Balloon Catheter

Designed specifically for Pre-dilatation and Drug/Stent delivery

Excellent Crossability

Unique taper-tip design,easy using in small vessel.
Hydrophilic coating reduces friction.

Great Trace/Travelability

Thin wall balloon with clear marker band-lowest profile even coated with drug or crimped with stents,
easy traveling and tracing inside vessel.

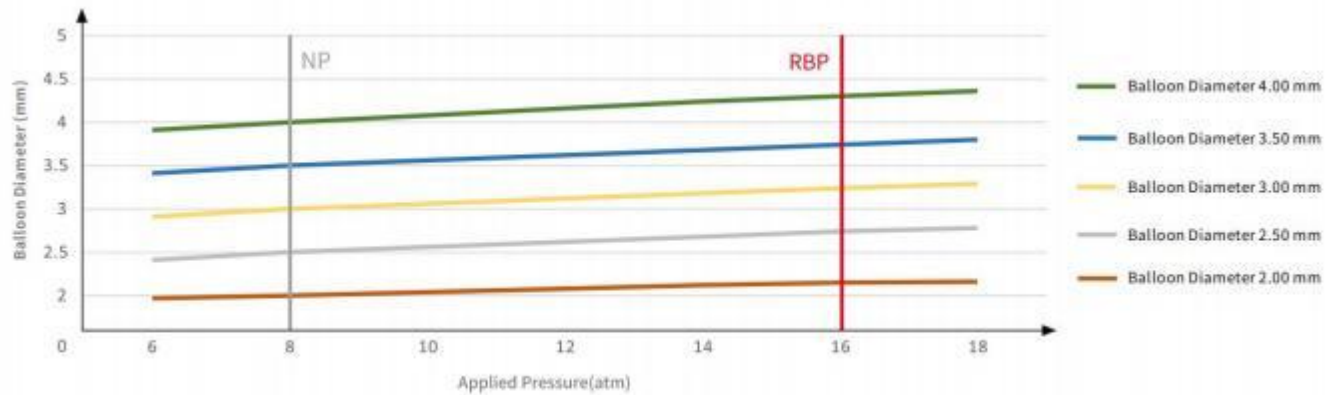
Precisely controlled balloon complianceand length expansion

Drugs and stents can be delivered as intended

Maximum Pushability/Deliverability

TranSmooth™ Technology provides maximum pushability in most torque vessels

Lumineer Compliance chart



Semi-Compliant PTCA Balloon Catheter



Technical Information

Likangxiangyun® Coronary Dilatation Balloon Catheters(Semi-Compliant)	
Parameter	Specification
Platform	Rapid Exchange (Rx)
Balloon Material	PA
Marker Material	Platinum-Iridium
Tip Length	3 ± 1 mm
Distal Shaft Diameter	0.89 ± 0.05 mm 0.75 ± 0.05 mm
Proximal Shaft Diameter	0.67 ± 0.05 mm
Compliance	Semi-compliant
Nominal Pressure (NP)	8 atm
Rated Burst Pressure (RBP)	16 atm
Catheter Shaft Length	140 ± 5 cm
Maximum Guide Wire Compatibility	0.014 inch
Shelf Life	24 months
Tip Entry Profile	0.016 inch/0.014 inch
Balloon Crossing Profile	2.00-2.25:0.80mm (±0.05mm) 2.50-2.75:0.85mm(±0.05mm) 3.00-3.50:0.90mm (±0.05mm) 3.75:0.95mm(±0.05mm) 4.00:1.00mm(±0.05mm)
Minimum Guiding Catheter ID	5F

Order Information

Semi-Compliant PTCA Balloon Catheter Order Information								
Balloon Diameter (mm)	Balloon Length(mm)							
	10	14	18	22	26	30	34	38
2.00	SD2.00X10	SD2.00X14	SD2.00X18	SD2.00X22	SD2.00X26	SD2.00X30	SD2.00X34	SD2.00X38
2.25	SD2.25X10	SD2.25X14	SD2.25X18	SD2.25X22	SD2.25X26	SD2.25X30	SD2.25X34	SD2.25X38
2.50	SD2.50X10	SD2.50X14	SD2.50X18	SD2.50X22	SD2.50X26	SD2.50X30	SD2.50X34	SD2.50X38
2.75	SD2.75X10	SD2.75X14	SD2.75X18	SD2.75X22	SD2.75X26	SD2.75X30	SD2.75X34	SD2.75X38
3.00	SD3.00X10	SD3.00X14	SD3.00X18	SD3.00X22	SD3.00X26	SD3.00X30	SD3.00X34	SD3.00X38
3.25	SD3.25X10	SD3.25X14	SD3.25X18	SD3.25X22	SD3.25X26	SD3.25X30	SD3.25X34	SD3.25X38
3.50	SD3.50X10	SD3.50X14	SD3.50X18	SD3.50X22	SD3.50X26	SD3.50X30	SD3.50X34	SD3.50X38
3.75	SD3.75X10	SD3.75X14	SD3.75X18	SD3.75X22	SD3.75X26	SD3.75X30	SD3.75X34	SD3.75X38
4.00	SD4.00X10	SD4.00X14	SD4.00X18	SD4.00X22	SD4.00X26	SD4.00X30	SD4.00X34	SD4.00X38

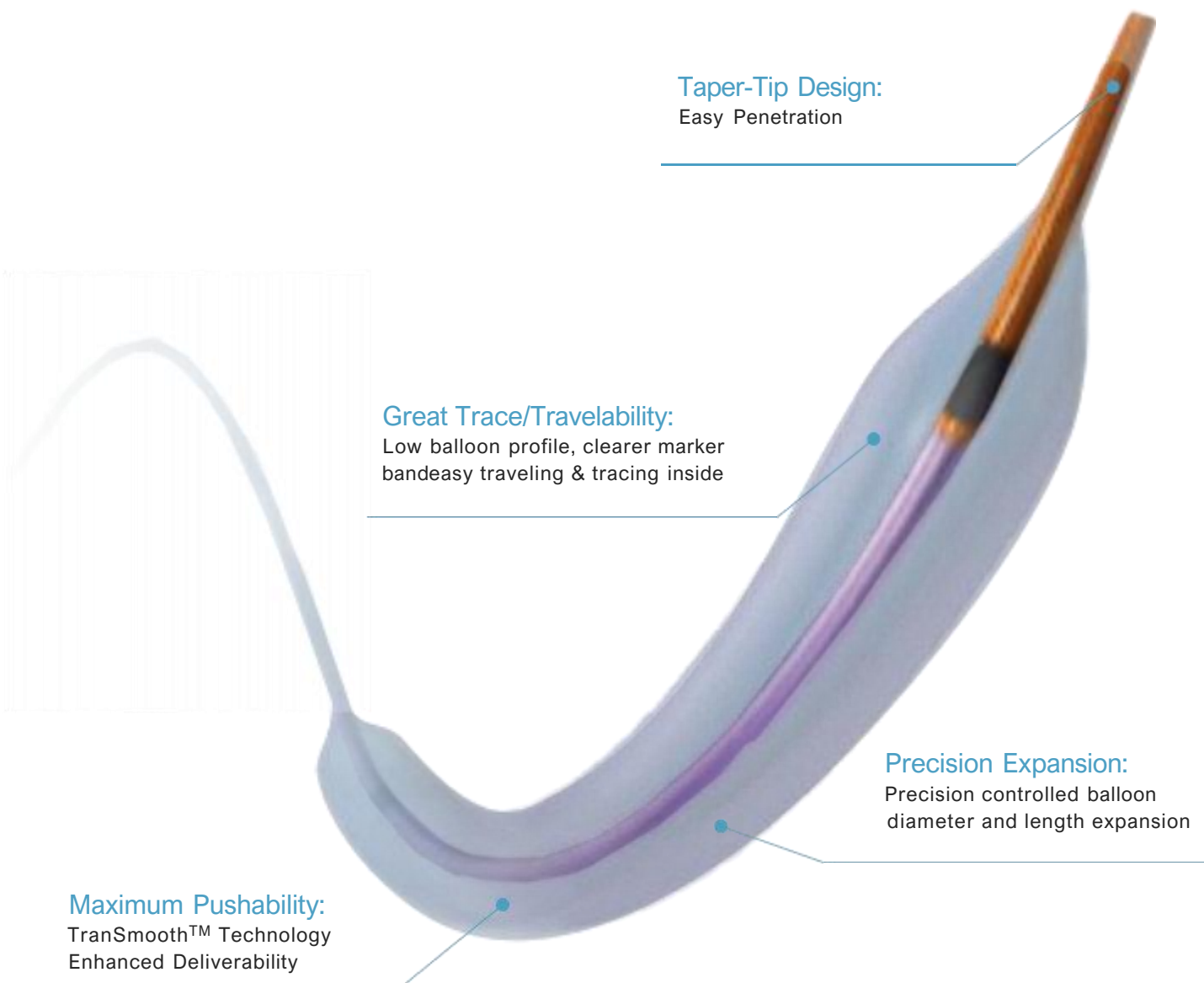
CAUTION:

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CTO PTCA Balloon Catheter



CTO PTCA Balloon Catheter
Designed Specifically fo Vessel Penetration
Promise for Heart

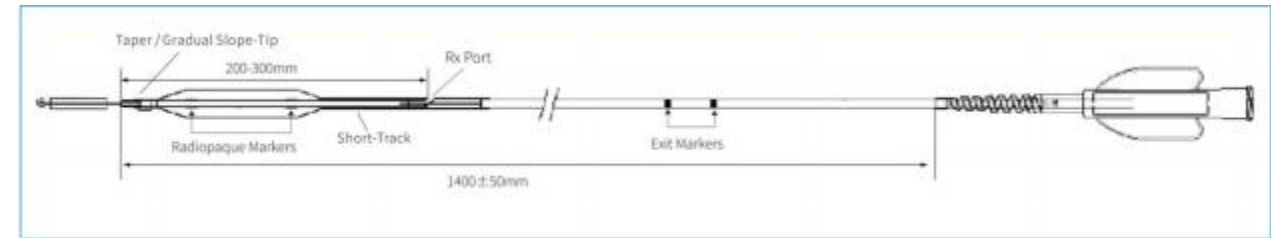


CE marked & NMPA registered

Design Features

Liangxiangxiangyun® CTO is a semi-compliant Rapid Exchange PTCA Balloon Catheter designed to dilate the stenotic coronary artery disease, particularly for chronicle total occlusion and small vessel disease.

- Dilatation of the stenotic portion of a coronary artery to improve myocardial perfusion:
- Ø De novo lesions, primary use for Chronicle Total Occlusion disease(CTO), and /or small vessels (SVD, 1.75 mm)
 - Ø Residual stenosis after balloon-or stent-PTCA (ISR), particularly in CTO patients, and /or small vessels (SVD, 1.75 mm)
 - Ø Pre-and post-dilatation during coronary drug balloon or stent implantation in small vessel



Semi-compliant Balloon Catheter

Designed specifically for Chronicle Total Occlusive Vessel Penetration

Excellent Crossability

Unique taper-tip design, easy penetrating the Chronicle Total Occlusive Vessel.
Hydrophilic coating reduces friction.

Great Trace/Travelability

Thin wall balloon with clear marker band--lowest profile and easy traveling

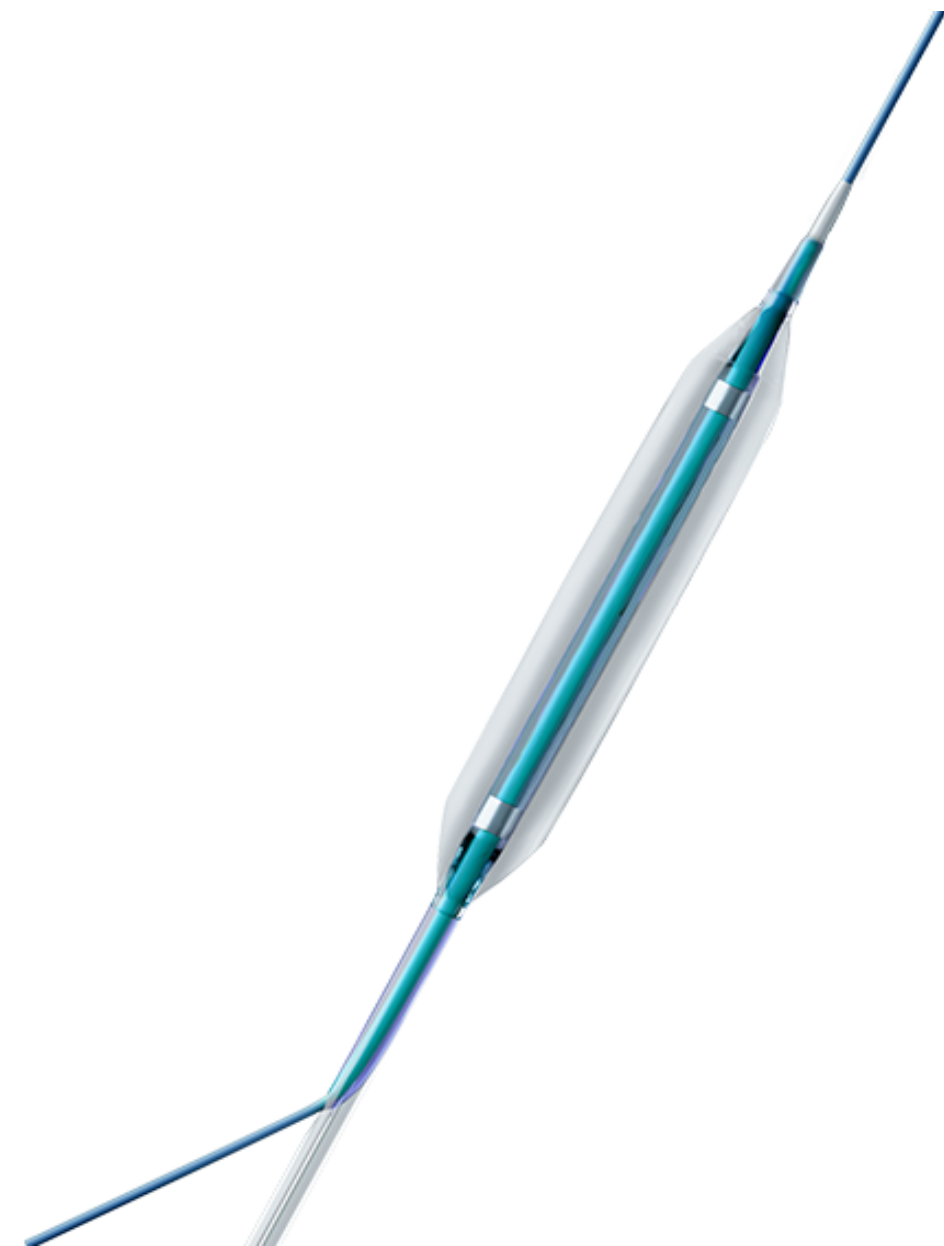
Precision Expansion

Precision controlled balloon compliance and length expansion

Maximum Pushability/Deliverability

TranSmooth™ design makes the device having maximum pushability in most torque vessel

Specifically designed for crossing complex lesions and Chronic Total Occlusions (CTO)



CE marked & NMPA registered

Technical Information

Likangxiangyun® Coronary Dilatation Balloon Catheters(CTO)	
Parameter	Specification
Platform	Rapid Exchange (Rx)
Balloon Material	PA
Marker Material	Platinum-Iridium
Tip Length	3 ± 1 mm
Distal Shaft Diameter	0.89 ± 0.05 mm 0.75 ± 0.05 mm
Proximal Shaft Diameter	0.67 ± 0.05 mm
Compliance	Semi-compliant
Nominal Pressure (NP)	8 atm
Rated Burst Pressure (RBP)	16 atm
Catheter Shaft Length	140 ± 5 cm
Maximum Guide Wire Compatibility	0.014 inch
Shelf Life	24 months
Tip Entry Profile	0.016 inch/0.014 inch
Balloon Crossing Profile	1.00-1.25 : 0.70 mm (± 0.05 mm) , 1.50-1.75:0.75mm(± 0.05 mm)
Minimum Guiding Catheter ID	5F

Order Information

CTO PTCA Balloon Catheter Order Information								
Balloon Diameter(m)	Balloon Length(mm)							
	10	14	18	22	26	30	34	38
1.00	PD1.00X10	PD1.00X14	PD1.00X18	PD1.00X22	PD1.00X26	PD1.00X30	PD1.00X34	PD1.00X38
1.25	PD1.25X10	PD1.25X14	PD1.25X18	PD1.25X22	PD1.25X26	PD1.25X30	PD1.25X34	PD1.25X38
1.50	PD1.50X10	PD1.50X14	PD1.50X18	PD1.50X22	PD1.50X26	PD1.50X30	PD1.50X34	PD1.50X38
1.75	PD1.75X10	PD1.75X14	PD1.75X18	PD1.75X22	PD1.75X26	PD1.75X30	PD1.75X34	PD1.75X38

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