

iVascular[®]
therapies for living

essential

Paclitaxel eluting coronary balloon dilatation catheter

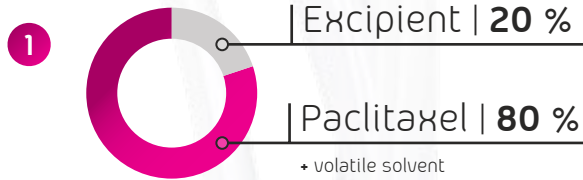


Safe & Accurate
local drug delivery



www.ivascular.global

effectiveness based on proprietary technology TransferTech

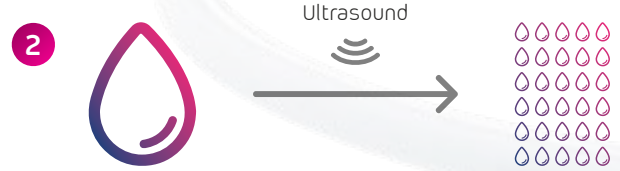


Excipient

- Organic ester
- Biocompatible
- Lipophilic

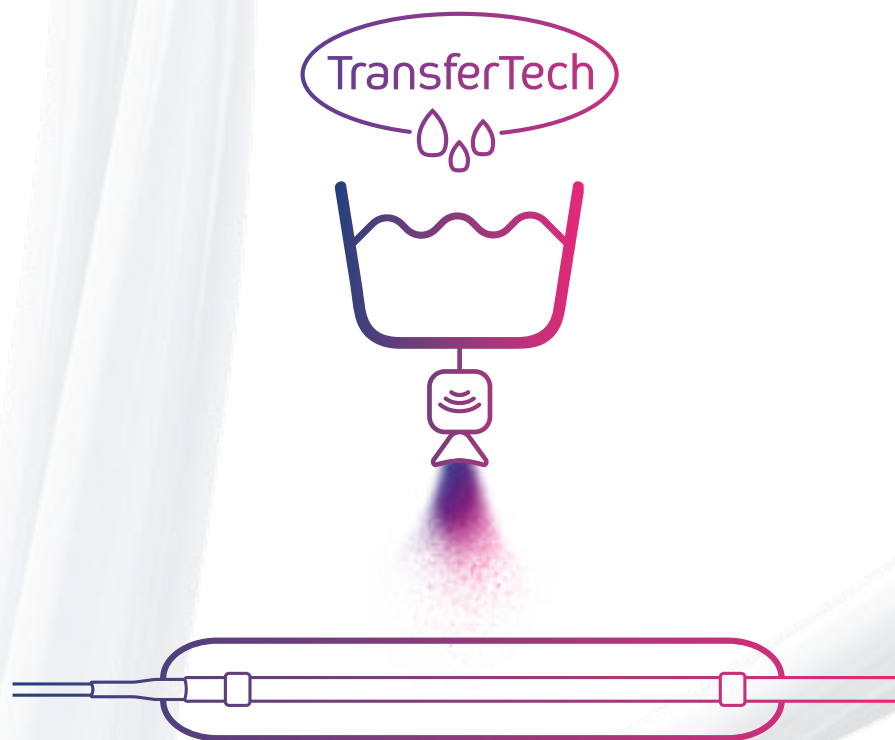
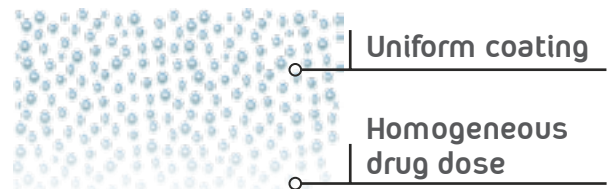
Paclitaxel

- Lipophilic
- Inhibition of stenosis
- Specific cellular receptors



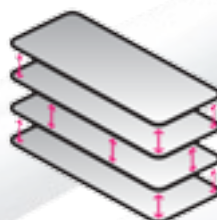
Spray Technology

Dosage of uniform diameter nanodrops by ultrasonic deposition



3 Multi-layer technology

- Coating durability during the procedure
- No cracking



4 Dry-off

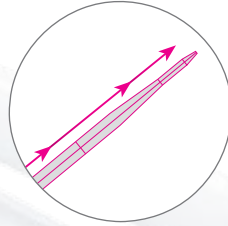
- Microcrystalline structure
- Optimal drug transfer to the vessel wall within 30-60 seconds

last balloon technology



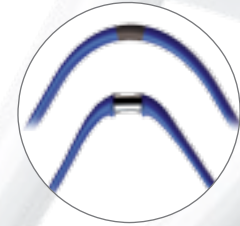
The best tip profile

The lowest tip profile for perfect crossability



Smooth transition

Optimized design for excellent pushability and flexibility



Tungsten based polymeric Radiopaque Marker

Great flexibility with optimal visibility

preclinical efficacy

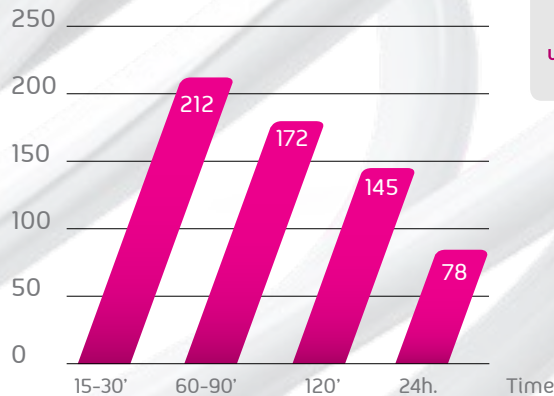
High antiproliferative efficacy and prevention of restenosis

- >50% less restenosis than Control
- 23% less restenosis than other DEBs



Preclinical study N = 17. Angiographical and histological follow-up 28 days. Tests made by iVascular. Data stored on file at iVascular.

µg paclitaxel / g tissue

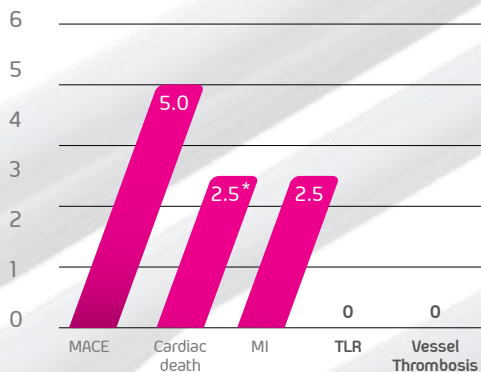


Rapid release of paclitaxel with long-term efficacy

Pharmacokinetic study. Tests made by iVascular. Data stored on file at iVascular.

clinical safety

events at 5 months follow-up (%)



DEB observational registry by J.Benezet 5 month clinical results (N=38)

The treatment of de novo coronary lesions with the Essential® DEB.

The Essential® DEB system demonstrated:

- Safety (2.5% death / 2.5% MI)
- Efficacy (0% TLR)
- Procedure success: 100%

*One patient with atrial fibrillation died after 41 days follow up due to intracranial hemorrhage associated with antithrombotic therapy.

essential features

- > **Rapid exchange catheter (RX)**
- > Guide wire compatibility: **max. 0.014"**
- > Tip profile: **0.016"**
- > Crossing profile: from **0.027"** up to **0.041"**
- > Nominal pressure: **6 atm**
- > RPB: **16 atm** / ABP: **20 atm**
- > **2 polymeric markers** of high flexible tungsten base

Product with CE mark, certified by Notified Body 0318

Balloon diameter (mm)	Working catheter length: 142 cm					
	Balloon length (mm)					
	10	15	20	25	30	40
1.50	BC DPR14 150 150 010	BC DPR14 150 150 015	BC DPR14 150 150 020	-	BC DPR14 150 150 030	-
2.00	BC DPR14 150 200 010	BC DPR14 150 200 015	BC DPR14 150 200 020	BC DPR14 150 200 025	BC DPR14 150 200 030	BC DPR14 150 200 040
2.25	BC DPR14 150 225 010	BC DPR14 150 225 015	BC DPR14 150 225 020	BC DPR14 150 225 025	BC DPR14 150 225 030	BC DPR14 150 225 040
2.50	BC DPR14 150 250 010	BC DPR14 150 250 015	BC DPR14 150 250 020	BC DPR14 150 250 025	BC DPR14 150 250 030	BC DPR14 150 250 040
2.75	BC DPR14 150 275 010	BC DPR14 150 275 015	BC DPR14 150 275 020	BC DPR14 150 275 025	BC DPR14 150 275 030	BC DPR14 150 275 040
3.00	BC DPR14 150 300 010	BC DPR14 150 300 015	BC DPR14 150 300 020	BC DPR14 150 300 025	BC DPR14 150 300 030	BC DPR14 150 300 040
3.25	BC DPR14 150 325 010	BC DPR14 150 325 015	BC DPR14 150 325 020	BC DPR14 150 325 025	BC DPR14 150 325 030	BC DPR14 150 325 040
3.50	BC DPR14 150 350 010	BC DPR14 150 350 015	BC DPR14 150 350 020	BC DPR14 150 350 025	BC DPR14 150 350 030	BC DPR14 150 350 040
3.75	BC DPR14 150 375 010	BC DPR14 150 375 015	BC DPR14 150 375 020	BC DPR14 150 375 025	BC DPR14 150 375 030	BC DPR14 150 375 040
4.00	BC DPR14 150 400 010	BC DPR14 150 400 015	BC DPR14 150 400 020	BC DPR14 150 400 025	BC DPR14 150 400 030	BC DPR14 150 400 040
4.50	BC DPR14 150 450 010	BC DPR14 150 450 015	BC DPR14 150 450 020	BC DPR14 150 450 025	BC DPR14 150 450 030	BC DPR14 150 450 040

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Life Vascular Devices Biotech S.L
www.ivascular.global
info@ivascular.global