



INVENT BIO-MED Pvt. Ltd.
Invention Enhances Life...
An ISO 9001-2008, ISO 13485-2003 Certified Company



PRODUCT CATALOGUE

NOVA VIDA TM
CHROME
SIROLIMUS ELUTING CORONARY STENT SYSTEM



Nano-Chrom TM
Co-Cr Coronary Stent Delivery System



Invento TM
RX PTCA Dilatation Catheter



Grasp
MICROGRAPER



Grasp
BASKET



Grasp
MICROSNARE



Micrasnare



I-INTRADUCER SET



I-RADTRANS SET

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Not available for sale in United States

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Website: www.inventbio-med.com

COMPANY INTRODUCTION



Invent Bio-med Pvt. Ltd.

Invent Bio-Med a dream project conceived by group of dedicated people to add feather in a cap of India's growing economic boom by inaugurating its state of the art medical device manufacturing facility.

Invent Bio Med is located at Sachin, Near Surat approximately 250 Kilometers from Mumbai, financial capital of India easily approachable by road, rail and air, this area is marked as special economic zone.

Invent Bio-Med has clean room area of three categories viz. Class 100, Class 10,000, Class 100,000.

This world class facility is capable of producing various medical devices and drug coated stents for Interventional Cardiology.



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QUALITY POLICY.

Our endeavor is to manufacture and market high quality Intravascular Medical Devices of requisite standards by continuously striving to excel with customer focused activities and improving effectiveness of Quality Management System.

MISSION.

Occupy a prominent place in Global Healthcare arena by producing cost effective Intravascular & Critical care devices, that conform to International quality of high standard, with focus on research and strategic collaboration to achieve total customer satisfaction.

CERTIFICATES



QSS - QUALITY MANAGEMENT SERVICES

Certificate of Registration

This is to certify the Quality Management System of

Invent Bio-Med Pvt. Ltd.

Office:-

517, Laxmi Plaza, New Link Road,
Andheri (West), Mumbai - 400 053,
Maharashtra, India.

Factory:-

109, Surat Special Economic Zone,
Diamond Park, GIDC, Sachin,
Gujarat - 394 230, India.

Has been assessed by QSS - Quality Management Services and found to be in Compliance with the following Quality Standard:

ISO 9001:2008

The Quality Management System is applicable to:

Manufacturing and Marketing of Vascular Interventional Devices

The Registration period is 1 Year based on the Company maintaining its system to the required standard which will be monitored & revalidated by QSS-QMS through Renewal Audit

LAF Code (s): **14**

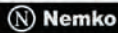
Certificate No.: **QMS-11A-008**

Technical Director

3rd January 2011
Date



CERTIFICATE OF CONFORMITY
WITH EUROPEAN DIRECTIVE



Certificate No. EU 0801423
Order No. 100017

We hereby certify that an examination has been carried out following the requirements of the national legislation "Regulation no. 25 of 12th January 1995 relating to medical devices pursuant to act no. 6 of 12th January 1995 relating to medical devices, transposing directive 93/42/EEC into Norwegian law to which the undersigned is subjected, confer EEA agreement, proposition no. 100 (1991-92) special appendix no. 2, volume 2A/3 A, goods, chapter XXX". We certify that the production quality system conforms to the relevant provisions of the Annex given below:

Name and address of the manufacturer: **Invent Bio-Med Pvt. Ltd.**
109, Surat Special Economic Zone,
Diamond Park, G. I. D. C.,
Sachin, Gujarat 394 230
India

Device category: VASCULAR INTERVENTIONAL MEDICAL DEVICE

GMDN Code: See Appendix 1 to this certificate

Models: See Appendix 1 to this certificate

Risk class as defined by the manufacturer: I, sterile

Standards/provisions: The audit of the quality system was based upon the standard ISO 9001:2000 & EN ISO 13485:2003 and assessed according to the provisions in Annex V of the EC-Directive 93/42/EEC.

Date of audit: 21st/22nd November 2007

Date of the end of the validity: 1st February 2013

Nemko EC notification No.: 0470

On this basis the manufacturer or the European authorised representative may draw up an EC / EEA Declaration of Conformity and affix the CE-marking as indicated below together with the Nemko EC notification number to each conforming product as long as the conformity audit and inspection procedure required by the EC directive will be fulfilled by the manufacturer and the factory. The product liability rests with the manufacturer or his representative in accordance with Council Directive 85/374/EEC.

Date of issue: 25th January 2008

Date of Verification: 25th January 2008

Signature: Svein Grahnstedt
Senior Lead Auditor / ISO 9001

Signature: Frank Skarpsno
Senior Lead Auditor / Principal Engineer

CE 0470

Nemko AS
P.O. Box 73, Blindern
N-0314 Oslo, Norway

Office address:
Gaustadalleen 30
Oslo

Telephone:
+47 22 96 03 30

Fax:
+47 22 96 00 30
Enterprise number:
NO 9443522430

CERTIFICATE OF CONFORMITY
WITH EUROPEAN DIRECTIVE



Certificate No. EU 0801422
Order No. 100017

We hereby certify that an examination has been carried out following the requirements of the national legislation "Regulation no. 25 of 12th January 1995 relating to medical devices pursuant to act no. 6 of 12th January 1995 relating to medical devices, transposing directive 93/42/EEC into Norwegian law to which the undersigned is subjected, confer EEA agreement, proposition no. 100 (1991-92) special appendix no. 2, volume 2A/3 A, goods, chapter XXX". We certify that the production quality system conforms to the relevant provisions of the Annex given below:

Name and address of the manufacturer: **Invent Bio-Med Pvt. Ltd.**
109, Surat Special Economic Zone,
Diamond Park, G. I. D. C.,
Sachin, Gujarat 394 230
India

Device category: VASCULAR INTERVENTIONAL MEDICAL DEVICE

GMDN Code: See Appendix 1 to this certificate

Models: See Appendix 1 to this certificate

Risk class as defined by the manufacturer: IIIa

Standards/provisions: The audit of the quality system was based upon the standard ISO 9001:2000 & EN ISO 13485:2003 and assessed according to the provisions in Annex V of the EC-Directive 93/42/EEC.

Date of audit: 21st/22nd November 2007

Date of the end of the validity: 1st February 2013

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Date of issue: 18th January 2008

Date of Verification: 18th January 2008

Signature: Svein Grahnstedt
Senior Lead Auditor / ISO 9001

Signature: Frank Skarpsno
Senior Lead Auditor / Principal Engineer

CE 0470

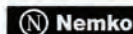
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Certificate No. EU 0801423
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Manufacturer: **Invent Bio-Med Pvt. Ltd.**
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Sachin, Gujarat 394 230
India

Device category: VASCULAR INTERVENTIONAL MEDICAL DEVICE

Appendix 1: Page 1 of 1

The certificate referred to above includes the following devices / models:

	GMDN Code:
* Hemostasis Y-Connector with Blunt Introducer and Torquer	17578
* Balloon Inflation Device	34042
* Introducer Sheath	36079

Date of issue: 25th January 2008

Date of Verification: 25th January 2008

Signature: Svein Grahnstedt

Signature: Frank Skarpsno

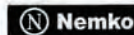
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Manufacturer: **Invent Bio-Med Pvt. Ltd.**
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India

Device category: VASCULAR INTERVENTIONAL MEDICAL DEVICE

Appendix 1: Page 1 of 1

The certificate referred to above includes the following devices / models:

	GMDN Code:
* Pressure Monitoring Line	34931
* Angiography / PTCA Guide Wire	35094
* Vascular Retrieval GRASP Snare and Basket	17927
* 12ml Control Device	31657
* Advance Guide Wire Introducer	17846
* 3 way Stopcock & 2 port/3 port manifold	33213

Date of issue: 18th January 2008

Date of Verification: 18th January 2008

Signature: Svein Grahnstedt

Signature: Frank Skarpsno

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Features

- Unique Technology
- Fully Biodegradable Polymer Coating 3-4 Micron
- Optimum Procedural & Angiographic Success
- Engineered To Deliver Safety, Efficacy, Flexibility and Trackability
- The Stent Design Provides An Excellent Balance Between Delivery Characteristic & Performance After Expansion
- Abluminal Coating Only

Ordering Information

Length (mm)	Diameter (mm)					
	2.25	2.50	2.75	3.00	3.50	4.00
8 mm	NVC22508	NVC25008	NVC27508	NVC30008	NVC35008	NVC40008
11 mm	NVC22511	NVC25011	NVC27511	NVC30011	NVC35011	NVC40011
14 mm	NVC22514	NVC25014	NVC27514	NVC30014	NVC35014	NVC40014
19 mm	NVC22519	NVC25019	NVC27519	NVC30019	NVC35019	NVC40019
24 mm	NVC22524	NVC25024	NVC27524	NVC30024	NVC35024	NVC40024
29 mm	NVC22529	NVC25029	NVC27529	NVC30029	NVC35029	NVC40029
39 mm	NVC22539	NVC25039	NVC27539	NVC30039	NVC35039	NVC40039

Nano-Chrom™

Co -Cr Coronary Stent Delivery System



Features

- Unique Technology
- Excellent Deliverability
- Superb Vessel Conformability
- Even Scaffolding
- Superior Crossing Profiles
- Outstanding radial strength

Ordering Information

Length (mm)	Diameter (mm)					
	2.25	2.50	2.75	3.00	3.50	4.00
8 mm	NC225/08	NC250/08	NC275/08	-	-	-
11 mm	NC225/11	NC250/11	NC275/11	NC300/11	NC350/11	NC400/11
14 mm	NC225/14	NC250/14	NC275/14	NC300/14	NC350/14	NC400/14
19 mm	NC225/19	NC250/19	NC275/19	NC300/19	NC350/19	NC400/19
24 mm	NC225/24	NC250/24	NC275/24	NC300/24	NC350/24	NC400/24
29 mm	-	-	-	NC300/29	NC350/29	NC400/29
39 mm	-	-	-	NC300/39	NC350/39	NC400/39

Invento

RX PTCA Dilatation Catheter



Features

- Uniquely Tapered Soft Tip
- Enhanced Pushability & Trackability
- Ergonomic Hub

Ordering Information

Diameter (mm)

Length (mm)	1.25	1.50	2.00	2.25	2.50	2.75	3.00	3.50	4.00
10 mm	INV125/10	INV150/10	INV200/10	INV225/10	INV250/10	INV275/10	INV300/10	INV350/10	INV400/10
13 mm	INV125/13	INV150/13	INV200/13	INV225/13	INV250/13	INV275/13	INV300/13	INV350/13	INV400/13
16 mm	INV125/16	INV150/16	INV200/16	INV225/16	INV250/16	INV275/16	INV300/16	INV350/16	INV400/16
21 mm	INV125/21	INV150/21	INV200/21	INV225/21	INV250/21	INV275/21	INV300/21	INV350/21	INV400/21
26 mm	INV125/26	INV150/26	INV200/26	INV225/26	INV250/26	INV275/26	INV300/26	INV350/26	INV400/26
30 mm	INV125/30	INV150/30	INV200/30	INV225/30	INV250/30	INV275/30	INV300/30	INV350/30	INV400/30
35 mm	INV125/35	INV150/35	INV200/35	INV225/35	INV250/35	INV275/35	INV300/35	INV350/35	INV400/35
40 mm	INV125/40	INV150/40	INV200/40	INV225/40	INV250/40	INV275/40	INV300/40	INV350/40	INV400/40

Grasp

MICROGRAPER

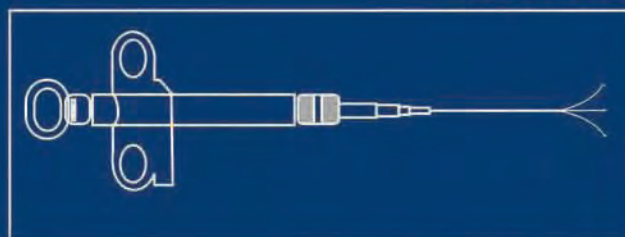
Vascular Retrieval Device



Features

- Radio opaque snare loop 90° to the Shaft.
- Coated by smooth and uniform polyamide tubing
- Sheath- Buffered Tip (Atroumatic Tip)
- Shape memory, super elastic properties , kink resistant.
- Best retrieval of a free particle with thin end by side grap technique

illustration



Ordering Information

Cat Code	Loop Dia/Length	Snare length(cm)	Snare Shaft (cm)	Shaft Size
220101	2 mm / 10 mm	150	140	3F
220102	4 mm / 15 mm	150	140	3F
220103	7 mm / 20 mm	150	140	3F
220104	2 mm / 10 mm	150	140	4F
220105	4 mm / 15 mm	150	140	4F
220106	7 mm / 20 mm	150	140	4F



Grasp

MICROSNARE

Vascular Retrieval Device

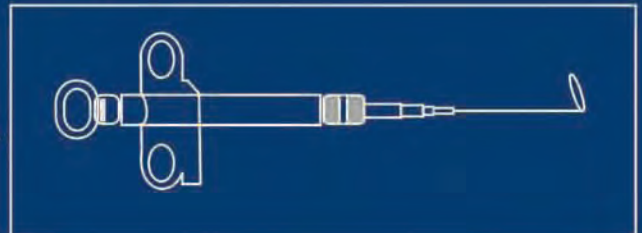


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Features

- Radio Opaque Snare loop, 90° to the shaft
- Shaft Highly Elastic, Flexible, Kink Resistance Nitinol alloy made.
- Coated by smooth and uniform polyamide tubing
- Sheath- Buffered Tip (Atraumatic Tip)
- Snare Nitinol Made
- Wire Stain less steel
- Palm control Plunger poly vinylchloride made.

illustration



Ordering Information

Cat Code	Loop Dia/Length	Snare length(cm)	Snare Shaft (cm)	Shaft Size
110101	2 mm / 10 mm	150	140	3F
110102	4 mm / 15 mm	150	140	3F
110103	7 mm / 20 mm	150	140	3F
110104	2 mm / 10 mm	150	140	4F
110105	4 mm / 15 mm	150	140	4F
110106	7 mm / 20 mm	150	140	4F



Grasp

BASKET

Vascular Retrieval Device

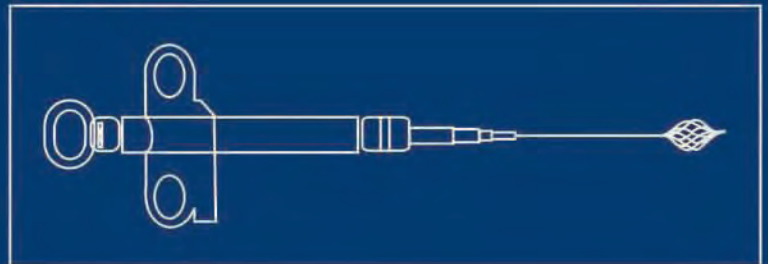


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Features

- Radio opaque helical loop Basket 3F/4F.
- Easy manoeuvrability.
- Kink Resistant Shaft.
- Palm & Finger Control Grip.
- Excellent Shape memory.
- Super elastic property of nitinol.
- Sheath- Buffered Tip (Atraumatic Tip)
- Palm control Plunger poly vinylchloride made.

illustration



Ordering Information

Cat Code	Loop Dia/Length	Basket length(cm)	Basket Shaft (cm)	Shaft Size
110201	4 / 20 mm	150	140	3F
110202	6 / 29 mm	150	140	3F
110203	8 / 29 mm	150	140	3F
110204	4 / 20 mm	150	140	4F
110205	6 / 29 mm	150	140	4F
110206	8 / 29 mm	150	140	4F

DISTAL WIRE GRAB METHOD



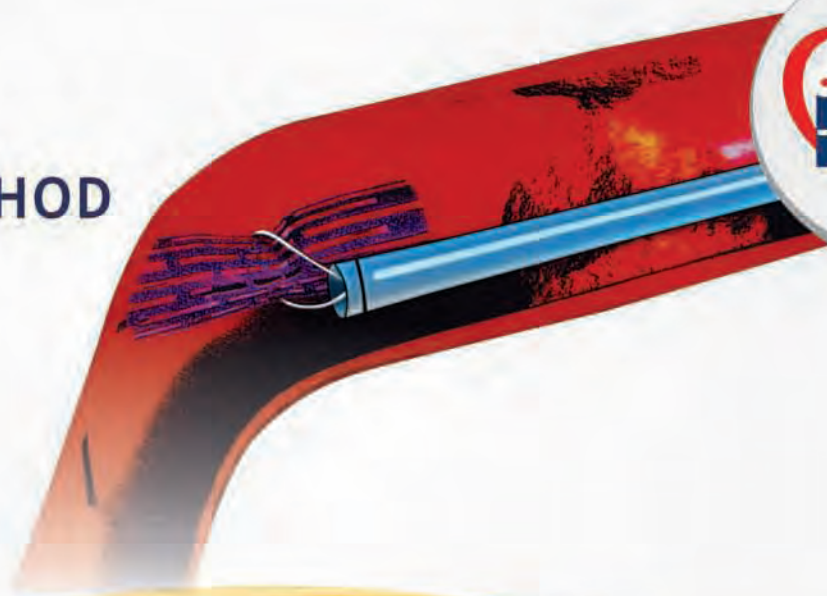
Secondary Method

- Select the appropriate size microsnare for the location in which the stent is located. In general, the microsnare loop should approximate the size of the vessel in which it will be used.
- Assemble the microsnare device, as per "Instructions given".
- Remove the indwelling balloon or delivery catheter, if present. It may be necessary to change or extend the indwelling guidewire to facilitate balloon removal, and to up-size the indwelling guide catheter/sheath to accommodate the 3 french microsnare catheter.
- Introduce and position a second guidewire adjacent to the stent, and distal to the originally placed guidewire.
- Place the microsnare loop over the proximal end of the second guidewire wire, and clinch until just snug by pulling the proximal end of the microsnare shaft.
- Advance the microsnare, distal end first, into the guide catheter or sheath until the distal end of the microcatheter is positioned distal to the stent and the original guidewire.
- Push the microsnare shaft forward gently to completely open the loop, move the microsnare (shaft and microcatheter as a single unit) proximally to snare the distal end of the original indwelling guidewire.
- By advancing the microcatheter, close the loop of the microsnare to grab the original guidewire.
- Maintain tension on the microcatheter and move the microsnare (shaft and microcatheter as one unit) and both guidewires proximally to or into the guide catheter or sheath. The stent is then withdrawn through or together with the guiding catheter in vascular sheath.

Note: Only the loop of the microsnare is placed over the wire.



PROXIMAL GRAB METHOD



Primary Method

- Select the appropriate size microsnare for the location in which the stent is located. In general, the microsnare loop should approximate the size of the vessel in which it will be used.
 - Assemble the microsnare device, as per "Instructions given".
 - Remove the indwelling balloon or delivery catheter, if present. It may be necessary to change or extend the indwelling guidewire to facilitate balloon removal, and to size the indwelling guide catheter/sheath to accommodate the 3 french microsnare catheter.
 - Place the microsnare loop over the proximal end of the second guidewire and clinch until just snug by pulling the proximal end of the microsnare shaft.
 - Push the microsnare shaft forward gently to completely open the loop, Move the microsnare (shaft and microcatheter as a single unit) proximally to snare the distal end of the original indwelling guidewire.
 - By advancing the microcatheter, the loop of the microsnare is closed to grab the stent.
 - Note: Attempting to close the loop by pulling the microsnare within the microcatheter will move the loop from its position around the stent
 - Maintain tension on the microcatheter and move the microsnare and microcatheter together (proximally) to or into the guide catheter or sheath. The stent is then withdrawn through or together with the guiding catheter in vascular sheath.
 - Note: Wire coil stents will likely unravel during retrieval.
 - If no guidewire is present, steps three and four may not be appropriate
- Note: Only the loop of the microsnare is placed over the wire.
- Advance the microsnare, distal end first, into the guide catheter or sheath until the distal end of the microcatheter is positioned distal to the stent and the original guidewire.



GUIDE WIRES FOR CARDIOLOGY



Features

- ▶ *One piece core construction removes abrupt transition and ensures torque is transmitted along central axis.*
- ▶ *A Full range of CE marked configurations are available.*
- ▶ *Available as a sterile pack.*

Ordering Information

Cat Code	Length	Shape	Type
110633	195 cm	ST	Standard wire
110634	300 cm	ST	Standard wire
110635	195 cm	ST	Intermediate wire
110636	300 cm	ST	Intermediate wire
110637	195 cm	ST	Floppy wire
110638	300 cm	ST	Floppy wire
110639	195 cm	ST	Extra Floppy wire
110640	300 cm	ST	Extra Floppy wire

Cat Code	Length	Shape	Type
110641	195 cm	J	Standard wire
110642	300 cm	J	Standard wire
110643	195 cm	J	Intermediate wire
110644	300 cm	J	Intermediate wire
110645	195 cm	J	Floppy wire
110646	300 cm	J	Floppy wire
110647	195 cm	J	Extra Floppy wire
110648	300 cm	J	Extra Floppy wire

Marathon CTO⁺

Penetrating force



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Features

- ▶ One piece core construction removes abrupt transitions and ensures torque is transmitted along central axis
- ▶ Micro J-Tip to locate micro channel
- ▶ Available bulk Non-Sterile or Packaged Sterile

Ordering Information

Cat Code	Length	Shape	Type	Cat Code	Length	Shape	Type
110649	195 cm	ST	3 Gram	110659	195 cm	J	3 Gram
110650	300 cm	ST	4.5 Gram	110660	300 cm	J	4.5 Gram
110651	195 cm	ST	6 Gram	110661	195 cm	J	6 Gram
110652	300 cm	ST	9 Gram	110662	300 cm	J	9 Gram
110653	195 cm	ST	12 Gram	110663	195 cm	J	12 Gram
110654	300 cm	ST	3 Gram	110664	300 cm	J	3 Gram
110655	195 cm	ST	4.5 Gram	110665	195 cm	J	4.5 Gram
110656	300 cm	ST	6 Gram	110666	300 cm	J	6 Gram
110657	195 cm	J	9 Gram	110667	195 cm	J	9 Gram
110658	300 cm	J	12 Gram	110668	300 cm	J	12 Gram

I INTRASDUCER SET



Features

- Used to measure arterial blood pressures in all species
- consists of a contact plate with cable and the exchangeable transducer head, which can easily be replaced
- Consistent and accurate readings during monitoring
- Inexpensive, reliable and ease-of-use.
- Versatile, dual function snap-tab allows dynamic response testing



Ordering Information

Cat Code	Description
111501T	With A Connector
111502T	With B Connector
111503T	With D Connector
111504T	With R Connector
111505T	With U Connector
111506T	With Y Connector

Cat Code	Description
111601T	With A Connector
111602T	With B Connector
111603T	With D Connector
111604T	With R Connector
111605T	With U Connector
111606T	With Y Connector

I RADTRANS SET




Features

- Used to reduce vascular access complications
- Excellent flexibility of Nickle-titanium guidewire without kinking
- Smooth atraumatic insertion & removal of uniquely designed sheath
- Kit Includes everything for the applicable procedure

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Cat Code	French Size	Length*
111701R	4F	9cm
111702R	5F	11cm
111703R	6F	11cm
111704R	7F	11cm
111705R	4F	18cm
111706R	5F	23cm
111707R	6F	23cm
111708R	7F	23cm



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