

MEDICAL TECHNOLOGY



BIOPSY & MARKING
innovative • flexible • easy





BIP - THE IDEA FACTORY IN MEDICAL TECHNOLOGY

Biopsy and Marking in perfection

For more than 35 years, BIP has been dedicated to the development of biopsy and tissue marking devices. While in the past, biopsies were complicated and a constant sample quality was difficult to achieve, the innovative biopsy systems of BIP and their further development have revolutionized tissue sampling and marking.

Our goals

- universal and safe instruments for biopsy and tissue marking
- ease of use with optimal results
- continuous improvement

We value

- development and handcrafted manufacturing >> Made in Germany
- sustainable supply chain
- regional partners

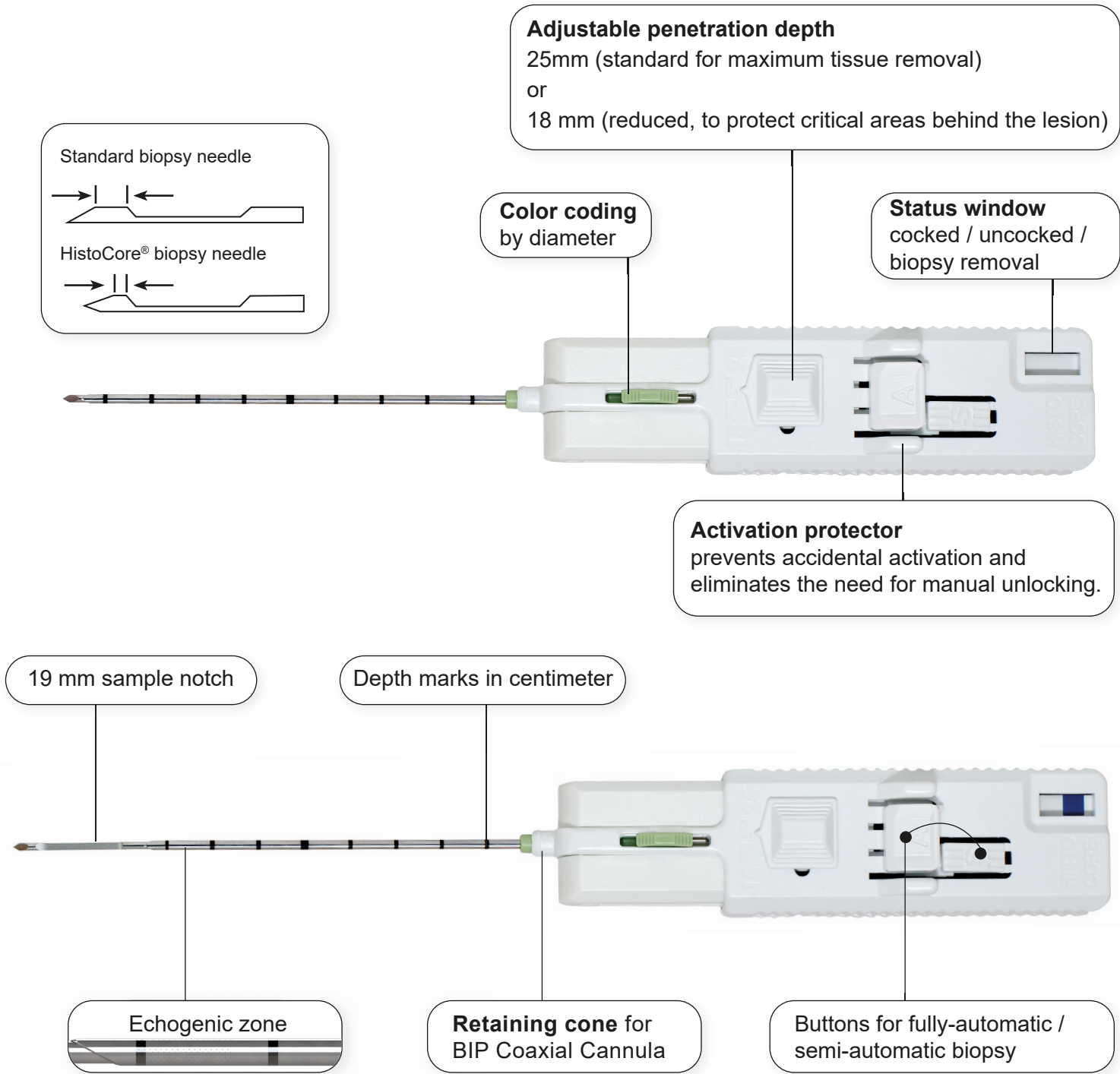
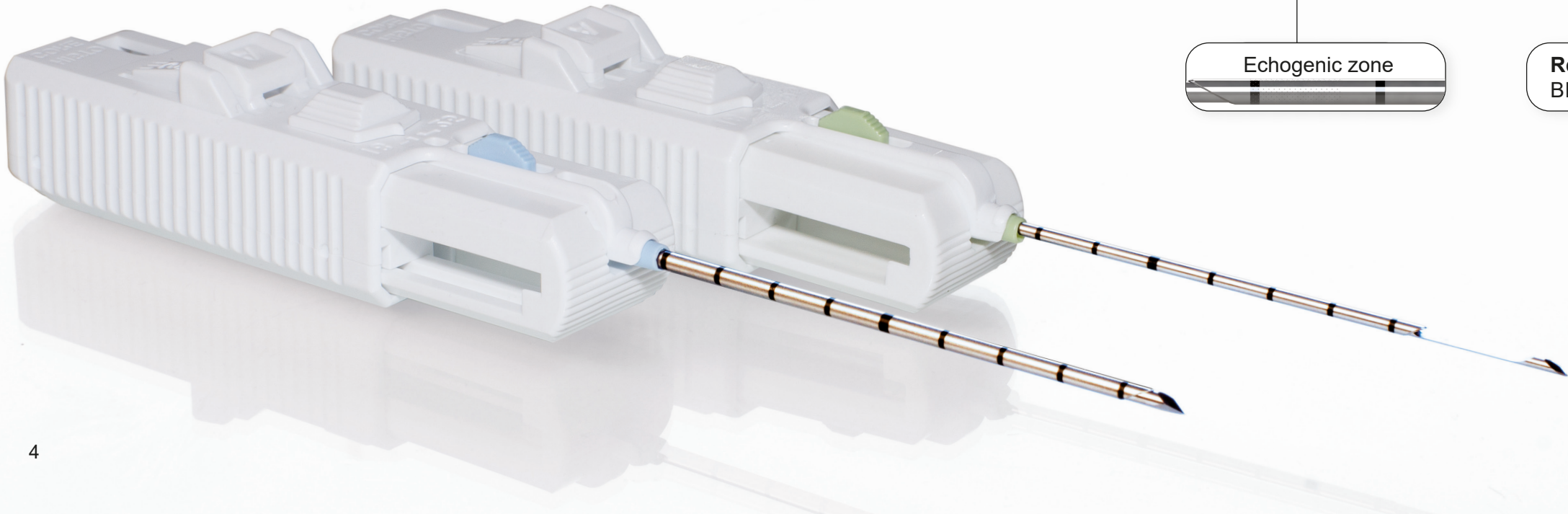
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BIP HistoCore® Biopsy Device, disposable
Fully- and semi-automatic single-use biopsy device

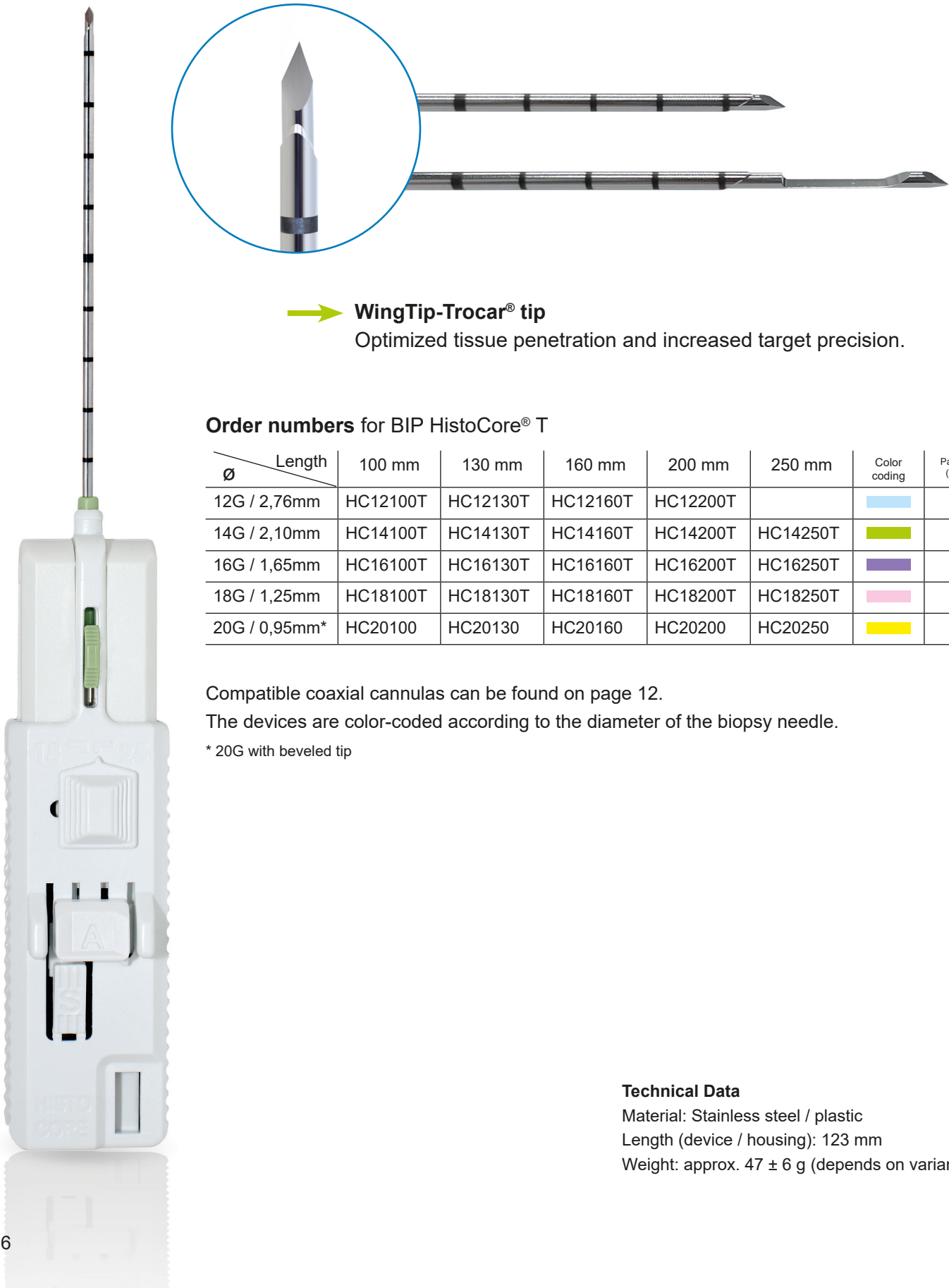
The BIP HistoCore® biopsy device is intended for the removal of soft tissue samples for histological examination. It is intended for single-use and transient invasive application. Indications are anomalies in soft tissues as breast, prostate, liver, kidney, lung or thyroid.

- ➔ **Better biopsy results**
by powerful, spring-loaded system, adjustable penetration depth (25 mm standard / 18 mm reduced) and fully- or semi-automatic use for precise positioning.
- ➔ **Better visibility in ultrasound**
by echogenic zone at cannula.
- ➔ **Less trauma**
Reduced tissue stress behind the biopsy site by shorter needle tip.
- ➔ **Safe use**
by possibility of one-handed operation, indicator of the cocking status and protection against accidental activation.



BIP HistoCore® T Biopsy Device, disposable

Single-use biopsy device with optimized trocar cut



WingTip-Trocar® tip
 Optimized tissue penetration and increased target precision.

Order numbers for BIP HistoCore® T

Ø \ Length	100 mm	130 mm	160 mm	200 mm	250 mm	Color coding	Package unit (in pieces)
12G / 2,76mm	HC12100T	HC12130T	HC12160T	HC12200T			5
14G / 2,10mm	HC14100T	HC14130T	HC14160T	HC14200T	HC14250T		5
16G / 1,65mm	HC16100T	HC16130T	HC16160T	HC16200T	HC16250T		5
18G / 1,25mm	HC18100T	HC18130T	HC18160T	HC18200T	HC18250T		5
20G / 0,95mm*	HC20100	HC20130	HC20160	HC20200	HC20250		5

Compatible coaxial cannulas can be found on page 12.

The devices are color-coded according to the diameter of the biopsy needle.

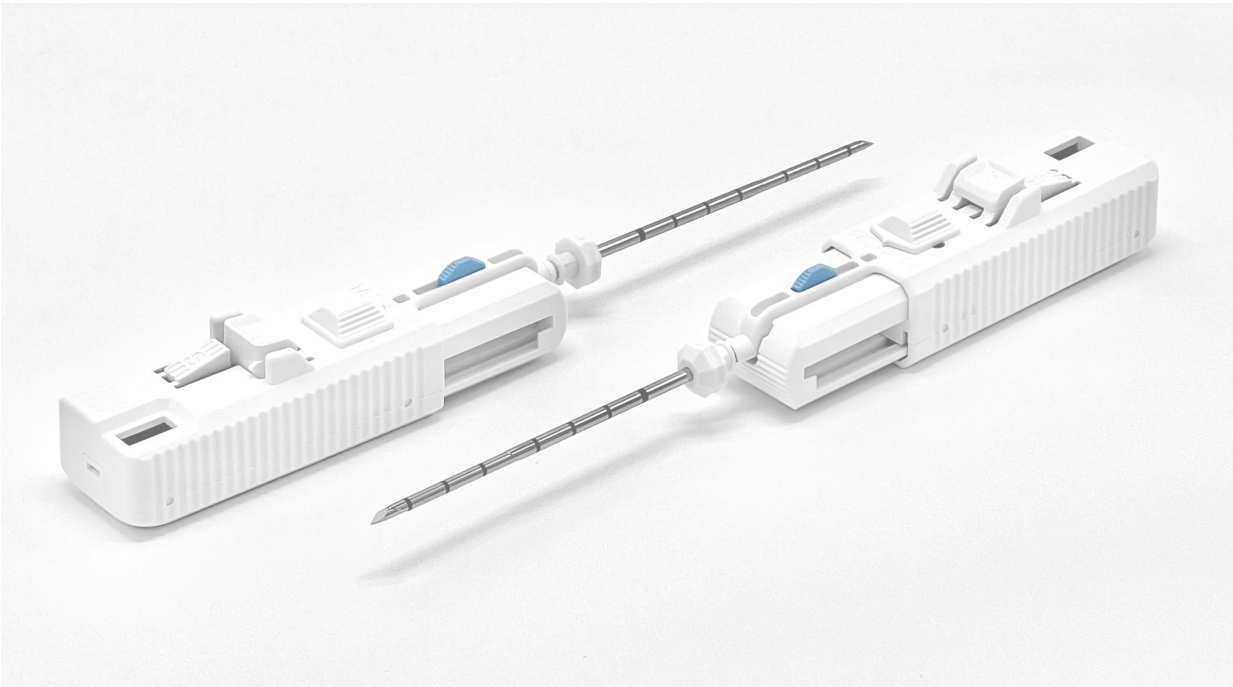
* 20G with beveled tip

Technical Data
 Material: Stainless steel / plastic
 Length (device / housing): 123 mm
 Weight: approx. 47 ± 6 g (depends on variant)

BIP HistoCore® TX Biopsy Device, disposable

Single-use biopsy device with optimized trocar cut and coaxial cannula

“One-Step“ - application
 The coaxial cannula is already mounted on the BIP HistoCore® TX variant.
 The coaxial cannula and biopsy needle are inserted into the lesion simultaneously (in a single step).
 There is no need to position the coaxial cannula separately.



Order numbers for BIP HistoCore® TX

Ø \ Length	100 mm	130 mm	160 mm	200 mm	250 mm	Color coding	Package unit (in pieces)
12G / 2,76mm	HC12100TX	HC12130TX	HC12160TX	HC12200TX			5
14G / 2,10mm	HC14100TX	HC14130TX	HC14160TX	HC14200TX			5
16G / 1,65mm	HC16100TX	HC16130TX	HC16160TX	HC16200TX			5
18G / 1,25mm	HC18100TX	HC18130TX	HC18160TX	HC18200TX	HC18250TX		5

The devices are color-coded according to the diameter of the biopsy needle.

Technical Data
 Material: Stainless steel / plastic
 Length (device / housing): 123 mm
 Weight: approx. 48 ± 6 g (depends on variant)

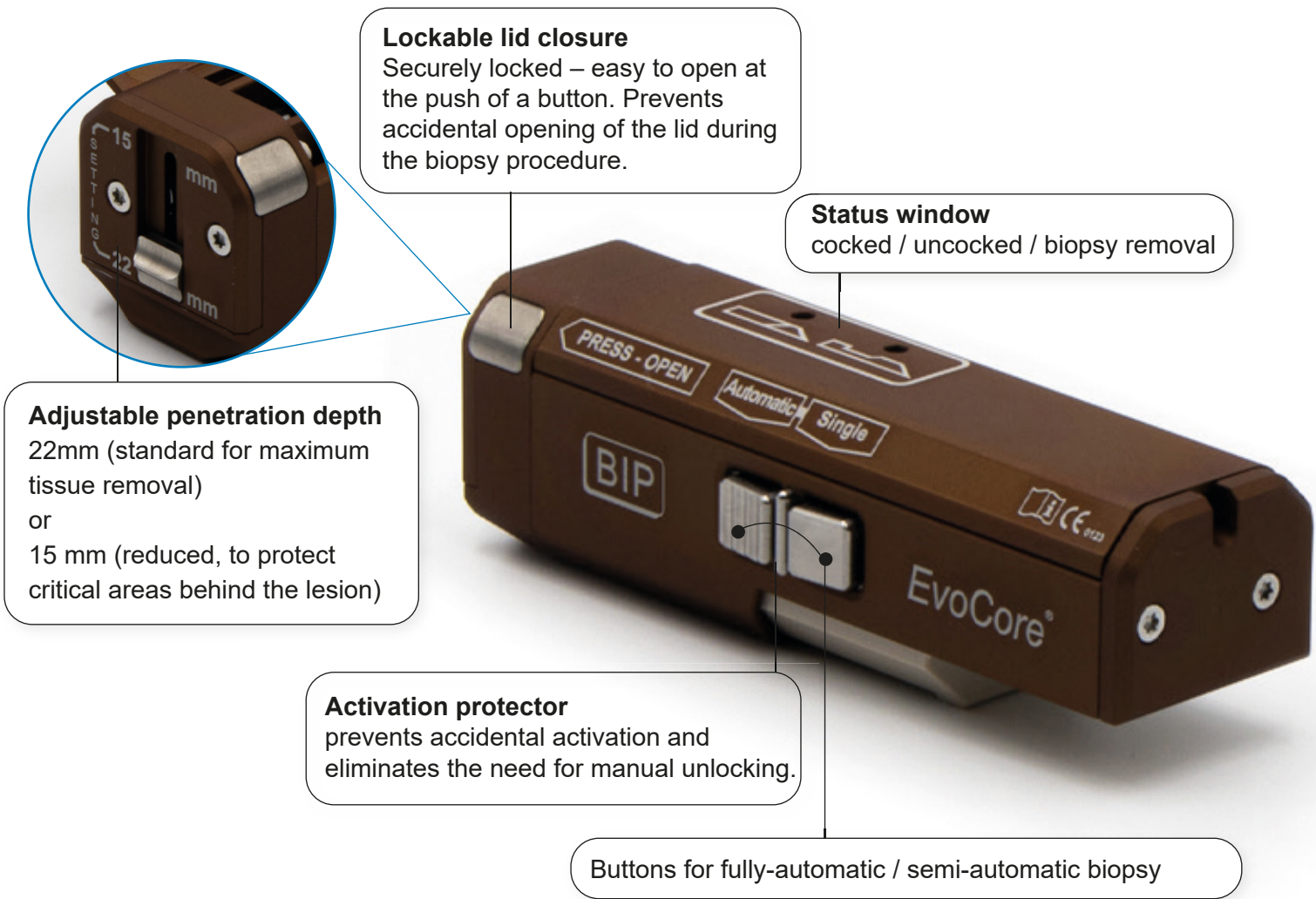
BIP EvoCore® Biopsy Device, reusable
Fully- and semi-automatic reusable biopsy device

The BIP EvoCore® Biopsy Device is intended for removal of soft tissue samples for histological examination. It is intended to be used only with a compatible disposable biopsy needle. The biopsy device is reusable and not intended for patient contact. Indications are anomalies in soft tissues as breast, prostate, liver, kidney, lung or thyroid.

- **The world’s first fully- and semi-automatic reusable biopsy device**
- **High-quality and durable materials** ensure optimal sterilization in an autoclave.
- **Optimized noise insulation** for particularly quiet operation.



Compatible biopsy needles for individual application can be found on page 10.



- **Better biopsy results**
by powerful, spring-loaded system, adjustable penetration depth (22 mm standard / 15 mm reduced) and fully- or semi-automatic use for precise positioning.
- **Safe use**
by possibility of one-handed operation, indicator of the cocking status and protection against accidental activation. Patented needle protector prevents possible contamination between device and cannula.

BIP EvoCore® Biopsy Device, reusable
Order number: EC2215

Technical Data
Material: Aluminum (housing) / stainless steel / plastic
Length (device / housing): 115 mm
Weight: approx. 219 g

BIP EvoCore® T Biopsy Needle
Disposable biopsy needle

The BIP EvoCore® T Biopsy Needle is intended for removal of soft tissue samples for histological examination. It is intended to be used only with a compatible reusable biopsy device. It is intended for single-use and for transient invasive application. Compatible with BIP EvoCore® and BARD® Magnum™ biopsy devices and BIP Coaxial Cannula. Indications are anomalies in soft tissues as breast, prostate, liver, kidney, lung or thyroid.

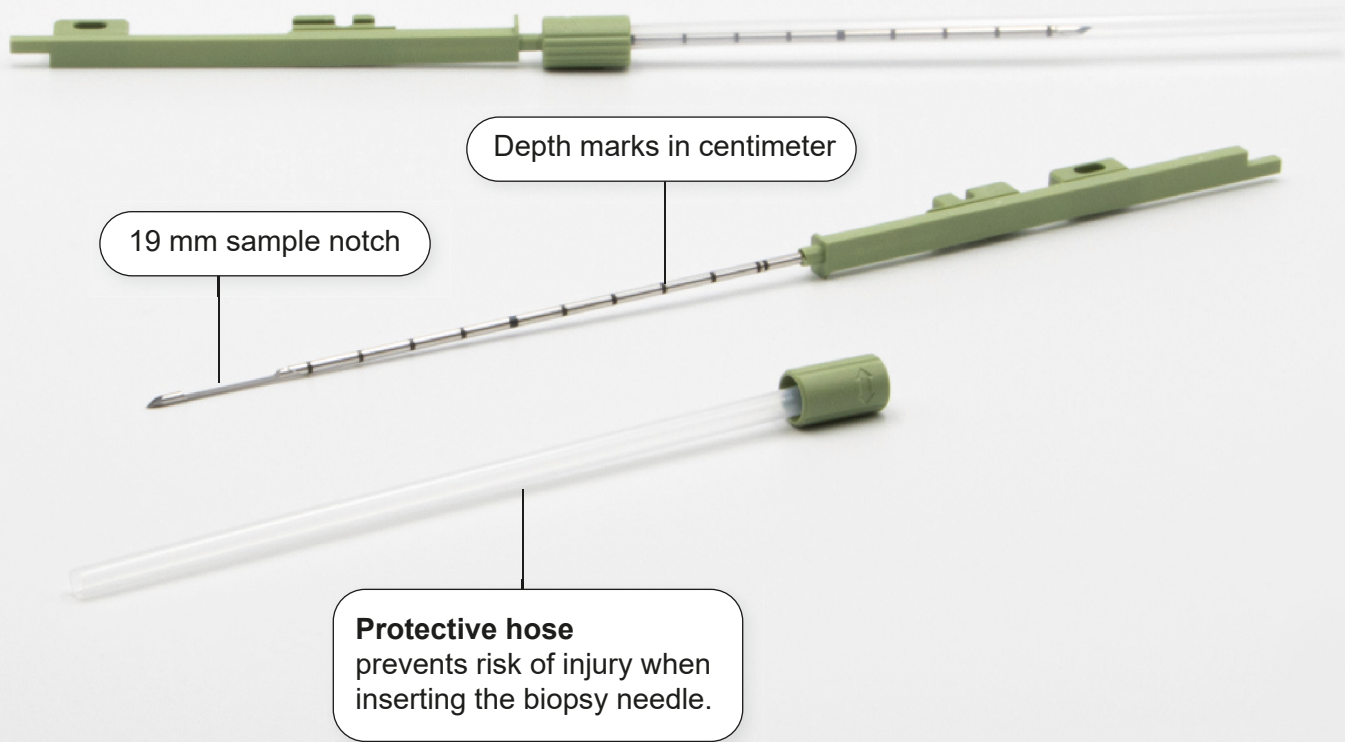
➔ **Optimized needle guidance with patented needle protection**

Easier insertion of the biopsy needle with stable guidance.

Enhanced protection against blood entering the device. No contact between the biopsy needle and the device.



- ➔ **Better biopsy sample results**
by 3D rotational cut of the cannulas (special grinding at tip) for optimal biopsy quality.
- ➔ **WingTip-Trocar® tip**
Optimized tissue penetration and increased target precision.
- ➔ **Safe use**
Patented needle protection ensures safe handling, sterile insertion and prevents possible contamination between device and cannula.



Order numbers for BIP EvoCore® T Biopsy Needle

Ø \ Length	100 mm	130 mm	160 mm	200 mm	250 mm	300 mm	Color coding	Package unit (in pieces)
12G / 2,76mm	EC12100T	EC12130T	EC12160T	EC12200T	EC12250T			10
14G / 2,10mm	EC14100T	EC14130T	EC14160T	EC14200T	EC14250T			10
16G / 1,65mm	EC16100T	EC16130T	EC16160T	EC16200T	EC16250T			10
18G / 1,25mm	EC18100T	EC18130T	EC18160T	EC18200T	EC18250T	EC18300T		10
20G / 0,95mm*	EC20100	EC20130	EC20160	EC20200	EC20250			10

Compatible coaxial cannulas can be found on page 12.
The devices are color-coded according to the diameter of the biopsy needle.

* 20G with beveled tip

Material: Stainless steel / plastic

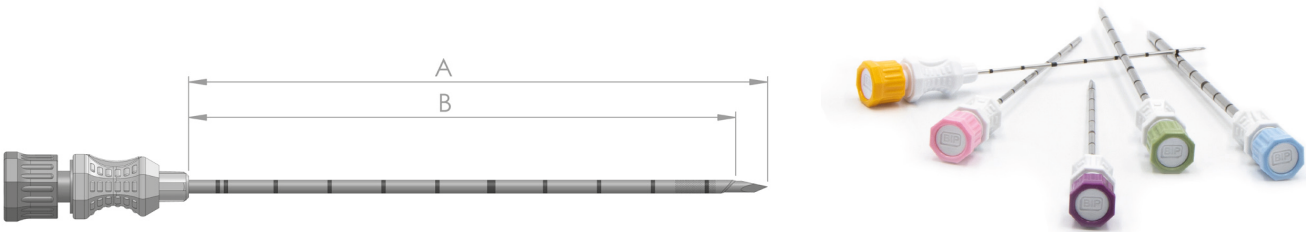
BIP Coaxial Cannula / BIP Coaxial Cannula MR
Compatible with BIP HistoCore® - BIP EvoCore® - BIP marking clips

The BIP Coaxial Cannula / BIP Coaxial Cannula MR is intended for introducing and guiding of compatible needles or cannulas. In this combination it is intended for soft tissue biopsies and placement of marking clips.

It is intended for single-use and for transient invasive application.

Indications are anomalies in soft tissues as breast, prostate, liver, kidney, lung or thyroid.

The outer cannula is equipped with centimeter depth marks for direct visual assessment of insertion depth, and is equipped with a Luer-lock connector that enables to connect syringes or tubing to the proximal end of the cannula for optional aspiration.

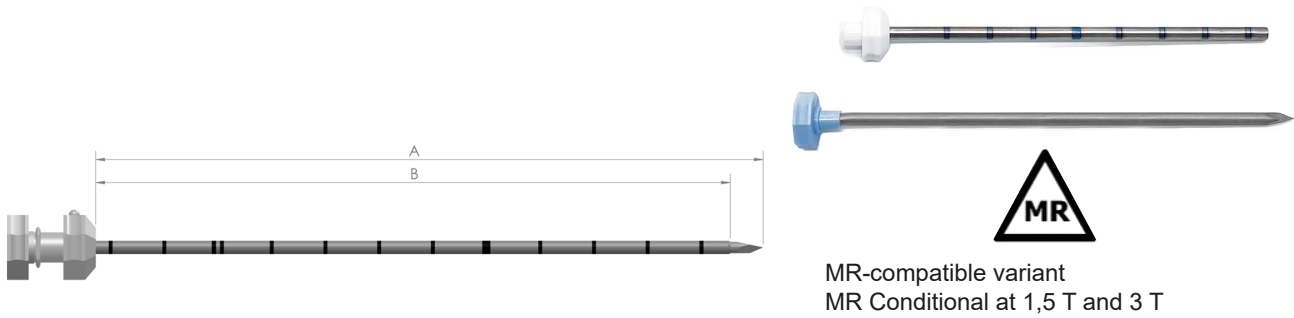


Order numbers for BIP Coaxial Cannula

	Color coding *	ø [G]	ø [mm]	↔ A [mm]	↔ B [mm]	Package unit (in pieces)
CC12100		11	3,06	49,0	41,5	5
CC12130		11	3,06	79,0	71,5	5
CC12160		11	3,06	109,0	101,5	5
CC12200		11	3,06	149,0	141,5	5
CC12250		11	3,06	199,0	191,5	5
CC14100		13	2,47	47,5	41,5	5
CC14130		13	2,47	77,5	71,5	5
CC14160		13	2,47	107,5	101,5	5
CC14200		13	2,47	147,5	141,5	5
CC14250		13	2,47	197,5	191,5	5
CC16100		14	2,10	46,5	41,5	5
CC16130		14	2,10	76,5	71,5	5
CC16160		14	2,10	106,5	101,5	5
CC16200		14	2,10	146,5	141,5	5
CC16250		14	2,10	196,5	191,5	5
CC18100		16	1,65	45,5	41,5	5
CC18130		16	1,65	75,5	71,5	5
CC18160		16	1,65	105,0	101,5	5
CC18200		16	1,65	145,5	141,5	5
CC18250		16	1,65	195,5	191,5	5
CC20100		18	1,25	44,5	41,5	5
CC20130		18	1,25	74,5	71,5	5
CC20160		18	1,25	104,5	101,5	5
CC20200		18	1,25	144,5	141,5	5
CC20250		18	1,25	194,5	191,5	5

* The color coding refers to the inner mandrel of the coaxial cannula. Material: Stainless steel / plastic

- ➡ **Minimal trauma**
by multiple tissue removal with only one penetration point.
- ➡ **Minimal risk of cell displacement**
during biopsy procedure.
- ➡ **Easy penetration of dense tissue**
due to special grinding at tip.
- ➡ **Universal application**
for diagnostic procedures - ultrasound, X-ray (mammography, computed tomography CT) and magnetic resonance imaging MRI.



Order numbers for BIP Coaxial Cannula MR

	Color coding *	ø [G]	ø [mm]	↔ A [mm]	↔ B [mm]	Package unit (in pieces)
CC12100MR		11	3,06	65,0	57,5	5
CC12130MR		11	3,06	95,0	87,5	5
CC12160MR		11	3,06	125,0	117,5	5
CC12200MR		11	3,06	165,0	157,5	5
CC12250MR		11	3,06	215,0	207,5	5
CC14100MR		13	2,47	63,5	57,5	5
CC14130MR		13	2,47	93,5	87,5	5
CC14160MR		13	2,47	123,5	117,5	5
CC14200MR		13	2,47	163,5	157,5	5
CC14250MR		13	2,47	213,5	207,5	5
CC16100MR		14	2,10	62,5	57,5	5
CC16130MR		14	2,10	92,5	87,5	5
CC16160MR		14	2,10	122,5	117,5	5
CC16200MR		14	2,10	162,5	157,5	5
CC16250MR		14	2,10	212,5	207,5	5
CC18100MR		16	1,65	61,5	57,5	5
CC18130MR		16	1,65	91,5	87,5	5
CC18160MR		16	1,65	121,5	117,5	5
CC18200MR		16	1,65	161,5	157,5	5
CC18250MR		16	1,65	211,5	207,5	5
CC20100MR		18	1,25	60,5	57,5	5
CC20130MR		18	1,25	90,5	87,5	5
CC20160MR		18	1,25	120,5	117,5	5
CC20200MR		18	1,25	160,5	157,5	5
CC20250MR		18	1,25	210,5	207,5	5

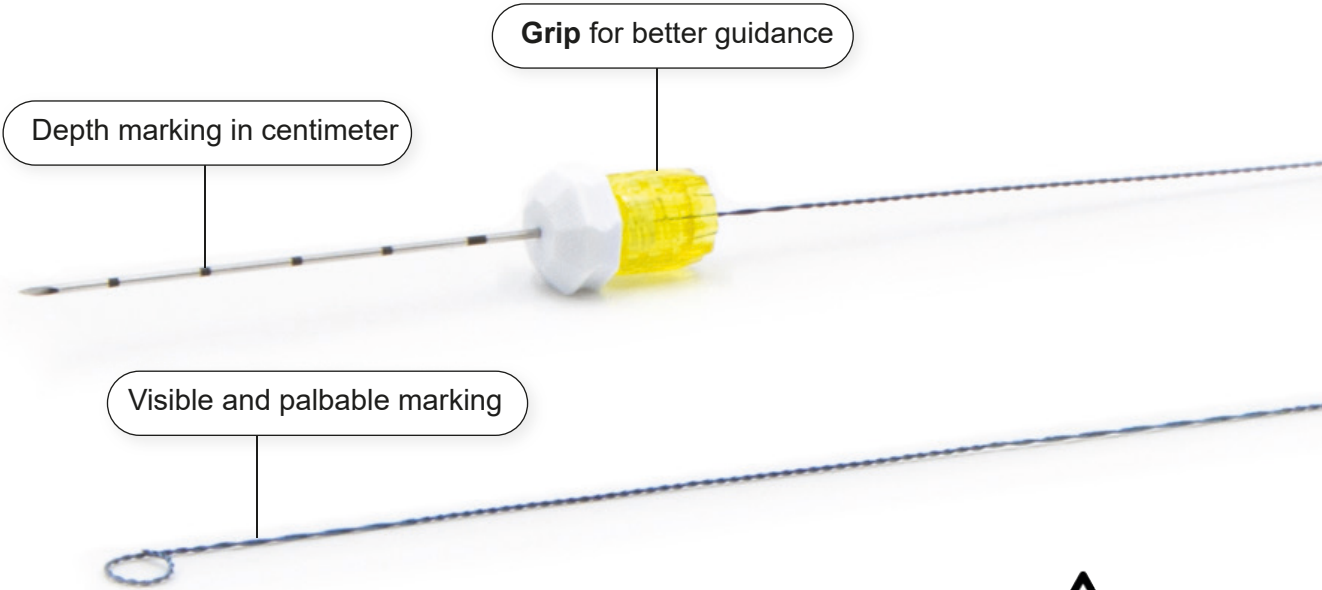
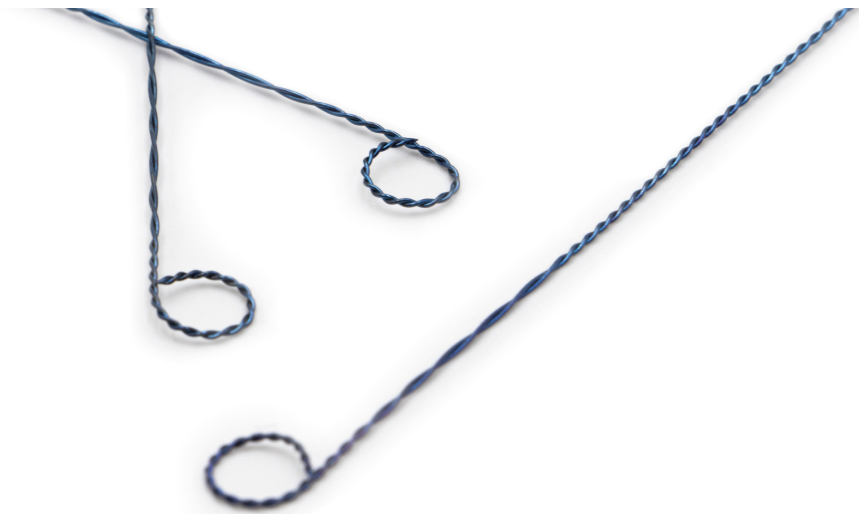
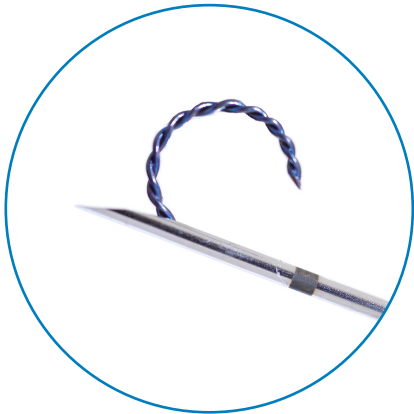
* The color coding refers to the inner mandrel of the coaxial cannula. Material: Titanium / plastic

BIP Mam-O-Guide® Localization Wire
For preoperative breast marking

The BIP Mam-O-Guide® Localization Wire is intended for locating soft tissue lesions. It is to be placed preoperatively under imaging procedures, to guide the surgeon to the lesion during surgical intervention. It is intended for single-use and for short-term invasive application (maximum 24 hours). Indications are anomalies in breast tissue.

The BIP Mam-O-Guide® consists of two components – an application cannula and a localization wire with ring-shaped anchoring element that lies in stretched form in the distal end of the cannula and deploys to its intended shape upon application in tissue.

- ➔ **Universal application**
for diagnostic procedures – ultrasound, X-ray (mammography) and magnetic resonance imaging MRI.
- ➔ **Secure anchoring**
in tissue with minimal risk of injury.
- ➔ **Possibility of repositioning**
- ➔ **Double twisting**
enables optimal reflection and visibility in ultrasound and protects against accidental cutting of the wire.
- ➔ **Deployment direction of the anchoring element**
can be determined by turning the application cannula.
- ➔ **Visible and palpable markings**
in front of the anchoring element support during surgical intervention.
- ➔ **Optimized cannula tip**
facilitates penetration into tissue.



MR-compatible variant
MR Conditional at 1,5 T and 3 T

Order numbers

Standard variant	ø [G] / [mm]	Length [mm]	Package unit (in pieces)
MOG057	20 / 0,95	57	10
MOG077	20 / 0,95	77	10
MOG107	20 / 0,95	107	10
MOG137	20 / 0,95	137	10

BIP Mam-O-Guide®

Technical Data
Localization wire
Material: Nitinol
Weight: approx. 0.2 g
Outer diameter wire: Ø 0.6 mm
Diameter anchoring element: Ø 6.6 mm

Applicator
Material: Stainless steel / plastic
Weight: 3 g

MR-compatible	ø [G] / [mm]	Length [mm]	Package unit (in pieces)
MOG057MR	18 / 1,25	57	10
MOG077MR	18 / 1,25	77	10
MOG107MR	18 / 1,25	107	10
MOG137MR	18 / 1,25	137	10

BIP Mam-O-Guide® MR

Technical Data
Localization wire
Material: Nitinol
Weight: approx. 0.2 g
Outer diameter wire: Ø 0.6 mm
Diameter anchoring element: Ø 6.6 mm

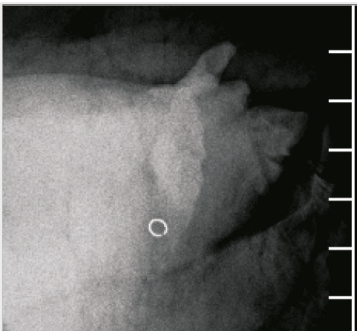
Applicator
Material: Titanium / plastic
Weight: 1,5 g

BIP O-Twist-Marker Marking Clip
For monitoring of lesions

The implantable clip is intended for marking of soft tissue for monitoring of lesions after biopsies, before or during chemotherapy and in radiotherapy treatment planning.
It is intended for single-use and for long-term application.
Compatible with BIP Coaxial Cannula.
Indications are anomalies in breast tissue including axillary lymph nodes.

The BIP O-Twist-Marker consists of two components – an application cannula and a ring-shaped marking clip that lies in stretched form in the distal end of the cannula and deploys to its intended shape upon application in tissue.

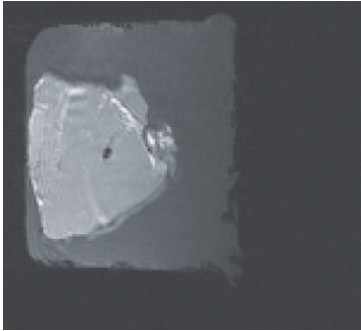
- **Universal application**
for diagnostic procedures - ultrasound, X-ray (mammography, computed tomography CT) and magnetic resonance imaging MRI.
- **Optimized visibility**
Twisted, ring-shaped clip element enables favorable reflection and visibility in ultrasound.
- **Secure anchoring**
in the tissue with minimal dislocation.
- **Universal use**
following conventional core or vacuum biopsy procedures, independent of biopsy system.
- **Optimized cannula tip**
Applicator with sharp cannula for direct percutaneous application of marking clip.



Mammography



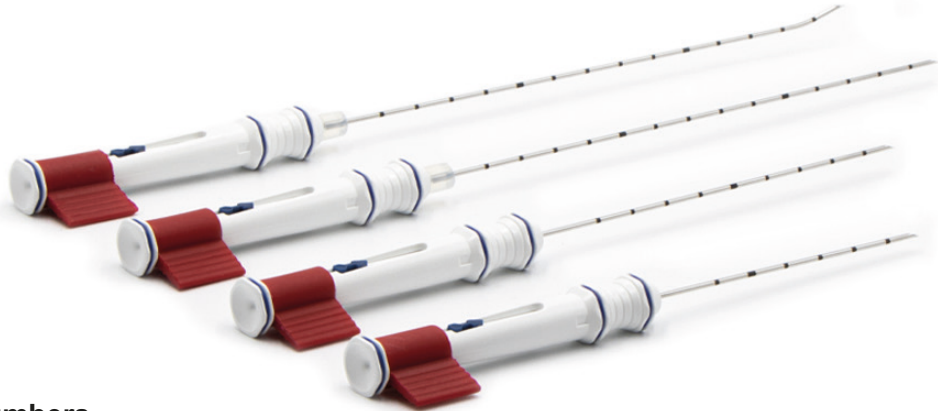
Ultrasound



MRI

The applicator is available in various lengths and variants

- Type S / SA: straight cannula
- Type R / RA / SRX: curved cannula with radius at the distal end, for use in combination with a vacuum biopsy system
- Type S-MR: MR-compatible - MR Conditional at 1,5 T and 3 T



Order numbers

BIP O-Twist-Marker Type SA (Applicator with straight cannula)	MR-compatible	ø [G] / [mm]	Length [mm]	Package unit (in pieces)
OTM3.0SA077	-	18 / 1,25	77	5
OTM3.0SA107	-	18 / 1,25	107	5
OTM3.0SA157	-	18 / 1,25	157	5

BIP O-Twist-Marker Type RA / SRX (Applicator with curved cannula)	MR-compatible	ø [G] / [mm]	Length [mm]	Package unit (in pieces)
OTM3.0RA157	-	18 / 1,25	157	5
OTM3.0SRX *	-	18 / 1,25	333,5	5

Technical Data
Marking Clip
Material: Nitinol
Weight: approx. 20 mg
Form / Dimensions:
Outer diameter Ø 3,8 ± 0,3 mm /
Inner diameter Ø 2,55 mm

Applicator
Material: Stainless steel / plastic
Weight: 6 g

*** Adapter**
Material: Plastic
Weight: 10 g



Order numbers

BIP O-Twist-Marker Type S / S-MR (Applicator with straight cannula)	MR-compatible	ø [G] / [mm]	Length [mm]	Package unit (in pieces)
OTM3.0S	-	18 / 1,25	137	5
OTM3.0S137MR	+	18 / 1,25	137	5

BIP O-Twist-Marker Type R (Applicator with curved cannula)	MR-compatible	ø [G] / [mm]	Length [mm]	Package unit (in pieces)
OTM3.0R	-	18 / 1,25	137	5

Technical Data
Marking Clip
Material: Nitinol
Weight: approx. 20 mg
Form / Dimensions:
Outer diameter Ø 3,8 ± 0,3 mm /
Inner diameter Ø 2,55 mm

Applicator
Material: Stainless steel / plastic
Weight: 6 g

Applicator MR-compatible
Material: Titanium / plastic
Weight: 6 g

NEW BIP 3D MARKER
Unique visibility in tissue marking



BIP CUBE-Twist-Marker
Marking Clip



BIP DELTA-Twist-Marker
Marking Clip



BIP LOOP-Twist-Marker
Marking Clip



- Marking of breast tissue and axillary lymph nodes with secure anchoring.
- Perfect support for identification and monitoring of lesions.
- Ideal for multifocal lesions.
- Material: Nitinol
(no foreign substances such as collagen or gel)

COMING
SOON

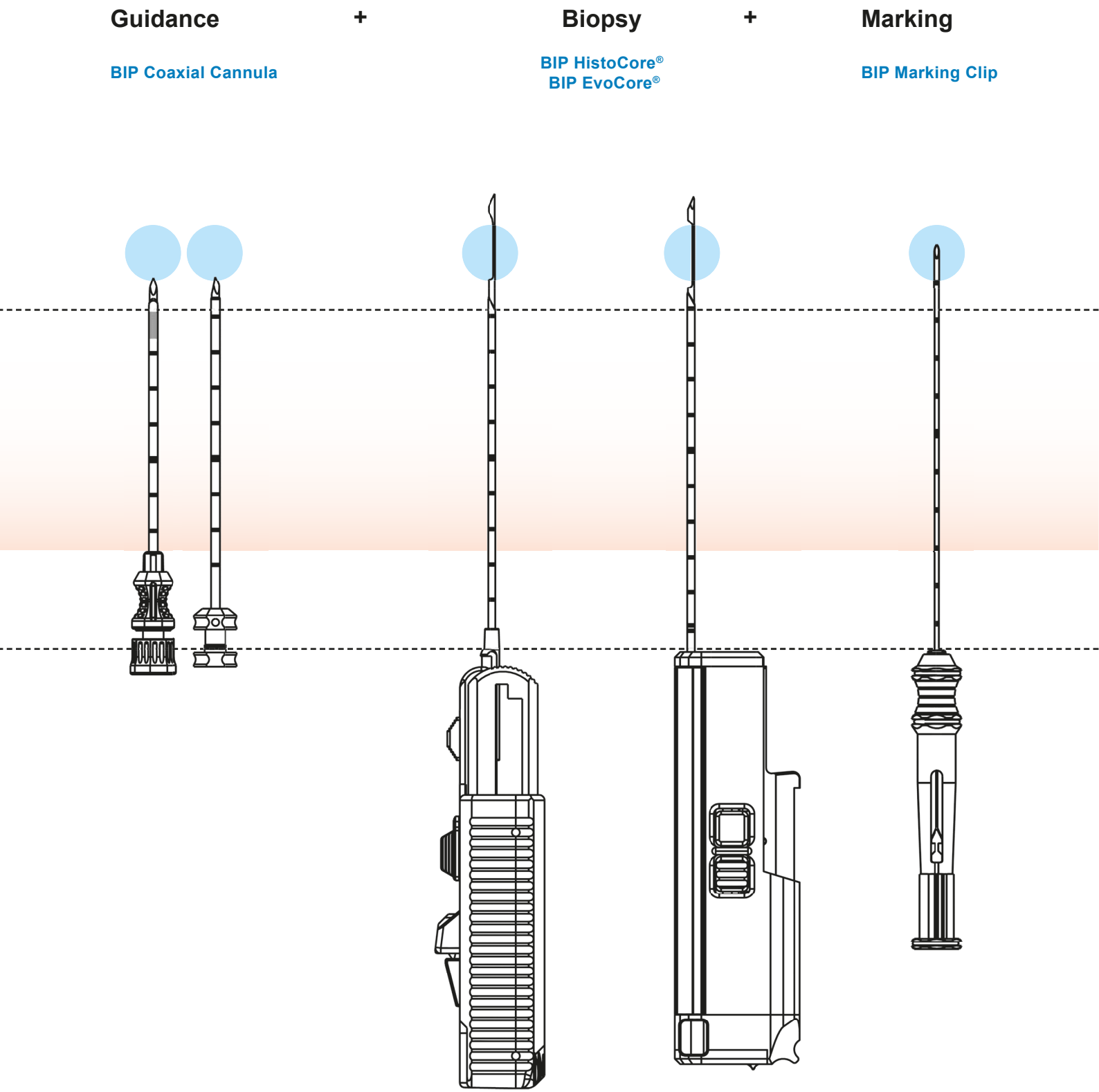
- **Optimized visibility**
Twisted clip element enables favorable reflection and visibility in ultrasound.
- **3D visibility**
from different planes / directions in all diagnostic procedures (US / CT / MRI)
- **Differentiation**
Marking clips can be differentiated from each other by unique shape, even in ultrasound.



CE marking in preparation.

BIP Compatibility
As individual as every diagnosis

Using the BIP Coaxial Cannula, following a biopsy performed with the BIP HistoCore® or BIP EvoCore®, the BIP Marking Clip can be inserted through the same coaxial cannula for marking the biopsied lesion:



BIP color coding
The color of the BIP Coaxial Cannula matches the color and diameter of the biopsy needle from BIP HistoCore® or BIP EvoCore®.

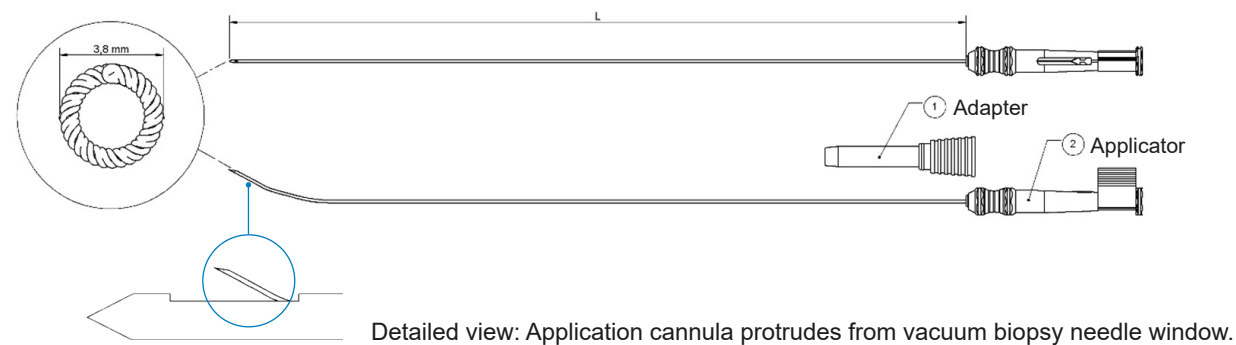


BIP Coaxial Cannula	BIP HistoCore® or BIP EvoCore®		BIP Marking Clip
Order numbers			Length [mm] Applicator with straight cannula (O / CUBE / DELTA / LOOP)
CC12100 / CC12100MR CC14100 / CC14100MR CC16100 / CC16100MR CC18100 / CC18100MR	HC12100T HC14100T HC16100T HC18100T	EC12100T EC14100T EC16100T EC18100T	77
CC20100 / CC20100MR	HC20100	EC20100	-
CC12130 / CC12130MR CC14130 / CC14130MR CC16130 / CC16130MR CC18130 / CC18130MR	HC12130T HC14130T HC16130T HC18130T	EC12130T EC14130T EC16130T EC18130T	107
CC20130 / CC20130MR	HC20130	EC20130	-
CC12160 / CC12160MR CC14160 / CC14160MR CC16160 / CC16160MR CC18160 / CC18160MR	HC12160T HC14160T HC16160T HC18160T	EC12160T EC14160T EC16160T EC18160T	137
CC20160 / CC20160MR	HC20160	EC20160	-
CC12200 / CC12200MR CC14200 / CC14200MR CC16200 / CC16200MR CC18200 / CC18200MR	HC12200T HC14200T HC16200T HC18200T	EC12200T EC14200T EC16200T EC18200T	-
CC20200 / CC20200MR	HC20200	EC20200	-
CC12250 / CC12250MR CC14250 / CC14250MR CC16250 / CC16250MR CC18250 / CC18250MR	HC12250T HC14250T HC16250T HC18250T	EC12250T EC14250T EC16250T EC18250T	-
CC20250 / CC20250MR	HC20250	EC20250	-

Marking clips - compatible vacuum biopsy systems



Order numbers BIP O-Twist-Marker	Cannula length [mm]	Compatible vacuum biopsy system
OTM3.0R	137	Hologic eviva® Biopsy Device



Order numbers BIP O-Twist-Marker	Cannula length [mm]	Compatible vacuum biopsy system
OTM3.0SRX	333,5	BARD® EnCor Enspire™ Biopsy System 7G
		BARD® EnCor Enspire™ Biopsy System 10G

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EnCor Inspire™ is a registered trademark of BD Bard Inc. or its subsidiaries in the United States and/or other countries.

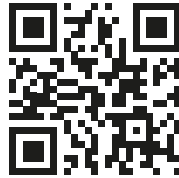
Notes



BIP - THE IDEA FACTORY IN MEDICAL TECHNOLOGY

Developed and manufactured in Germany. Used worldwide. Medical technology that connects:

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