

PRINCE MEDICAL
DEVICES



Manufacturer of Medical Devices

**DIGESTIVE & BRONCHIAL
ENDOSCOPY**

PRINCE MEDICAL

DEVICES

3 production sites
in France and Tunisia
10,000 m² of floor space
including 3,000 m² in clean rooms
15 million products manufactured per year

The regulatory expertise
of PRINCE MEDICAL makes it possible to
respond perfectly to current standards
and to anticipate their evolution. PRINCE
MEDICAL has a long experience in
product registration in a number of interna-
tional markets

PRINCE MEDICAL, certified NF EN ISO 13485, designs and manufactures single-use medical devices for Gastroenterology, Gynaecology and Medically Assisted Reproduction.

With nearly 30 years of expertise in the healthcare market, the company can rely on technical know-how in the extrusion of thermoplastics and polymers, and has state-of-the-art equipment to meet the needs of markets with demanding applications.

Perfect control of all industrial processes (*moulding, extrusion, production of latex and silicone balloons, assembly of plastic material and steel components, laser cutting, ultrasonic and laser welding, marking, packaging, sterilisation, etc.*) is a guarantee of the high level of quality of PRINCE MEDICAL products.

PRINCE MEDICAL is a subsidiary of the international OMERIN Group and benefits from the dynamism of its 1,700 employees.



PRINCE MEDICAL offers a wide range of sterile Class IIb, Class IIa, Class I sterile and non-sterile medical devices, mainly intended for:

- **Gastroenterology:** balloons catheters, injection needles, cleaning brushes for endoscopes, etc.
- **Gynaecology:** gynaecological forceps (Cheron forceps, Pozzi forceps, etc.), speculums, histological swabbing probes, etc.
- **Medically Assisted Reproduction MAR:** embryo transfer catheters, intrauterine insemination catheter, puncture needle of oocytes, etc.

PRINCE MEDICAL also manufactures medical devices on behalf of its customers for use in urodynamics, anaesthesia, oxygen therapy, as well as external lines for infusion and injection of contrast media in radiology.

The company manufactures and packages its products in a controlled environment and has numerous grey and ISO7 and ISO8 classified clean rooms, guaranteeing a high level of product safety.

The **PRINCE MEDICAL** commercial and technical teams work with passion to put innovation, service and flexibility at the service of its customers.

www.prince-medical.com





OUR PRODUCTS

5

DIGESTIVE
AND BRONCHIAL
ENDOSCOPY

ENDOLINE®
ECHO HOOD®
OXYCAP®

CLEANING
SWABS AND
BRUSHES

CLEANBRUSH®



GYNAECOLOGY
PM-CARE®

MEDICALLY
ASSISTED
REPRODUCTION
(MAR)

PM-LIFE®



DIGESTIVE & BRONCHIAL ENDOSCOPY

ERCP Endoscopic retrograde cholangiopancreatography

Balloon catheter

- ENDOLINE® 2V-TRACT2-lumens balloon catheterPage **12**
- ENDOLINE® 3V-TRACT3-lumens balloon catheterPage **14**
- ENDOLINE® Y-TRACT Y-clamp fittingPage **16**

Nasobiliary kit

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- ENDOLINE® NASO-TUBE nasal tubePage **23**

HAEMOSTASIS

Injection needle

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Polypectomy

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CYTOLOGICAL SAMPLING

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GASTRIC BALLOON EXTRACTION

- ENDOLINE® PUNC drainage needlePage **40**
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ECHO-ENDOSCOPY

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ACCESSORIES

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CLEANING SWABS AND BRUSHES

- CLEANBRUSH® ENDO cleaning brush for endoscope operator channel *Page 54*
- CLEANBRUSH® ENDO-XL cleaning brush for rigid instruments *Page 56*
- CLEANBRUSH® PISTON cleaning brush for endoscope valves *Page 57*
- CLEANBRUSH® EXO-B brush for external cleaning of endoscopes *Page 58*
- CLEANBRUSH® EXO-S sponge for external cleaning of endoscopes..... *Page 59*
- CLEANBRUSH® KIT-2 cleaning swab kit - 2 parts..... *Page 60*
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- CLEANBRUSH® KIT-4 cleaning swab kit - 4 parts *Page 64*
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DIGESTIVE & BRONCHIAL ENDOSCOPY

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DIGESTIVE & BRONCHIAL ENDOSCOPY

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ERCP

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• ENDOLINE® Y-TRACT Y-CLAMP FITTING	16
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• ENDOLINE® NASO-DRAIN NASOBILIARY CATHETER	20
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ENDOLINE® 2V-TRACT

12

2-LUMENS BALLOON CATHETER



QUICK EXCHANGE SYSTEM
Makes it easier to insert catheter
into echo-endoscope
AS2340720

**WELDED
DERIVATIONS**

**BONDED
DERIVATIONS**

TRANSPARENT TUBE
AS4460720

The **ENDOLINE® 2V-TRACT** 2-lumens balloon catheter enables the removal of gallstones and injection of contrast material or any other medicated substance into the bile ducts. This medical device is intended mainly for persons with hepatic colic following the appearance of gallstones.

ADVANTAGES

- Product compatible for use with the main endoscopes on the market.
- Radiopaque.
- Standard connector for connecting a syringe for contrast medium injection.
- Presence of a stainless steel ring and stainless steel ligatures on the balloon reinforcing the radiopacity of the distal part for better balloon localisation.

ADDITIONAL ACCESSORIES

The balloon catheter can be used with the **ENDOLINE® Y-TRACT** Y-clamp fitting. Provides practitioners with 2 injection ports on balloon catheters with a single injection port. It also enables the fixation of the guide wire after catheter placement.

AVAILABLE BALLOONS



LATEX BALLOON CATHETER

PRECAUTIONS FOR USE
DO NOT USE IN PATIENTS
ALLERGIC TO LATEX



SILICONE BALLOON CATHETER

*for patients
allergic to latex.*



ABOUT THIS MEDICAL DEVICE

1 st release date	1996
Single use	Yes
Class	IIa
Sterile	Yes
Sterilisation method	Ethylene oxide sterilisation
Latex present	Yes except reference AS0920720
Lifetime	2 years except reference AS0920720 5 years
Certification	CE
Packaging	Box of 5 units in individual sterile wrapping
Storage	In its original box in a cool and dry place

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ENDOLINE® 2V-TRACT

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LATEX
BALLOON

Reference	Catheter diameter (mm/Fr)	Inflated balloon diameter (mm)	Balloon inflation max gas (mL)	Balloon injection max liquid (mL)	Wire-guide recommended (inch)	Syringe (cc)	Useful length (cm)	Option
> Bonded derivations								
AS0030520	1.70 / 5	12	3.0	1.5	.025	3	200	-
AS1100720	2.35 / 7 1.70 / 5	16	4.5	2.5	.035	5	200	-
AS1910720	2.35 / 7	12	3.0	1.5	.035	3	200	-
AS0030720	2.35 / 7	16	4.5	2.5	.035	5	200	-
AS4460720	2.35 / 7	16	4.5	2.5	.035	5	200	Transparent
AS0280720	2.35 / 7	18	5.5	3.5	.035	5	200	-
> Welded derivations								
AS2340720	2.35 / 7	16	4.5	2.5	.035	5	200	Quick exchange system
AS2040720	2.35 / 7 1.70 / 5	16	4.5	2.5	.035	5	200	Tube cover
AS2130720	2.35 / 7	16	4.5	2.5	.035	5	200	Tube cover

SILICONE
BALLOON

> Bonded derivations								
AS0920720	2.35 / 7	16	4.5	2.5	.035	5	200	-

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PRINCE MEDICAL
 DEVICES

ENDOLINE® 3V-TRACT

14

3-LUMENS BALLOON CATHETER



TRANSPARENT
TUBE
AS4560720

The **ENDOLINE® 3V-TRACT** 3-lumens balloon catheter enables the removal of gallstones and injection of contrast material or any other medicated substance into the bile ducts. This medical device is intended mainly for persons with hepatic colic following the appearance of gallstones.

ADVANTAGES

- Product compatible for use with the main endoscopes on the market.
- Radiopaque.
- Standard connector for connecting a syringe for contrast medium injection.
- Stainless steel ring and stainless steel ligatures on the balloon enhance radiopacity of the distal part for better balloon identification.
- The guide path and the contrast path are different.

AVAILABLE BALLOONS



LATEX BALLOON CATHETER

PRECAUTIONS FOR USE
DO NOT USE IN PATIENTS
ALLERGIC TO LATEX



SILICONE BALLOON CATHETER

for patients allergic
to latex.



ABOUT THIS MEDICAL DEVICE

1 st release date	1996
Single use	Yes
Class	Ila
Sterile	Yes
Sterilisation method	Ethylene oxide sterilisation
Latex present	Yes except reference AS3860720
Lifetime	2 years except reference AS3860720 5 years
Certification	CE
Packaging	Box of 5 units in individual sterile wrapping
Storage	In its original box in a cool and dry place

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ENDOLINE® 3V-TRACT

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LATEX
BALLOON

Reference	Catheter diameter (mm/Fr)	Inflated balloon diameter (mm)	Balloon inflation max gas (mL)	Balloon injection max liquid (mL)	Wire-guide recommended (inch)	Syringe (cc)	Useful length (cm)	Option
AS1420720	2.35 / 7	16	4.5	2.5	.035	5	200	-
AS4320720	2.35 / 7	16	4.5	2.5	.035	5	200	Transparent
AS4320725	2.35 / 7	16	4.5	2.5	.035	5	200	Transparent
AS4560720	2.35 / 7 1.70 / 5	16	4.5	2.5	.035	5	200	Transparent

SILICONE
BALLOON

AS3860720	2.35 / 7	16	4.5	2.5	.035	5	200	-
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PRINCE MEDICAL
 DEVICES

ENDOLINE® Y-TRACT

Y CLAMP FITTING



The **ENDOLINE® Y-TRACT** Y-clamp fitting provides practitioners with 2 injection ports on a balloon catheter with 1 injection port, and also enables the fixation of the guide wire after catheter placement.

AVAILABLE REFERENCE(S)

Reference	Description
AS1130300	CH3 Y-clamp fitting

ABOUT THIS MEDICAL DEVICE

1 st release date	1998
Single use	Yes
Class	Is
Sterile	Yes
Sterilisation method	Ethylene oxide sterilisation
Contains latex	No
Lifetime	5 years
Certification	CE
Packaging	Box of 50 units in individual sterile wrapping
Storage	In its original box in a cool and dry place



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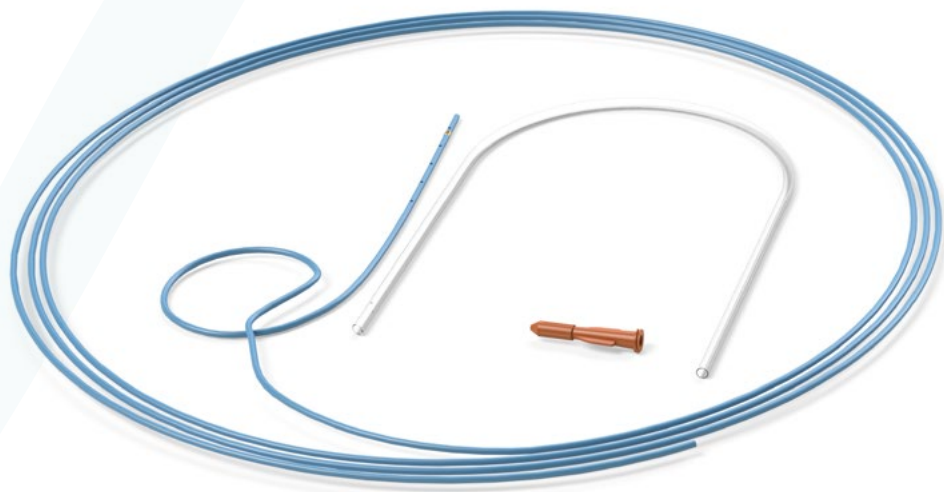
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ENDOLINE® NASO-KIT

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NASOBILIARY KIT



The **ENDOLINE® NASO-KIT** nasobiliary kit enables the aspiration of bile or pancreatic juices. This medical device is intended primarily for persons with obstructive jaundice, acute cholangitis or extrahepatic cholestasis.

NASOBILIARY KIT COMPONENTS (components can be sold separately)

- A nasobiliary catheter for aspirating bile juice.
- A Luer-Lock connector mounted on the nasobiliary catheter enabling biliary or pancreatic juice aspiration. It connects the nasobiliary catheter to the full extension.
- A full extension to drain bile or pancreatic secretions in an external receiving bag or to rinse the catheter as needed.
- A nasal tube to retrieve the nasobiliary catheter in the larynx and to remove it through the nose.

ADVANTAGES

- Axial and lateral perforations in the distal part allow for efficient drainage of the hepatobiliary tract.
- Easy to position catheter in the bile ducts thanks to the radiopaque distal end (with gold ring).

AVAILABLE FORMATS (NASOBILIARY CATHETER)



CURVE 1



CURVE 2



CURVE 6

ABOUT THIS MEDICAL DEVICE

1 st release date	1996
Single use	Yes
Class	Ila
Sterile	Yes
Sterilisation method	Ethylene oxide sterilisation
Contains latex	No
Lifetime	5 years
Certification	CE
Packaging	Box of 1 unit in individual sterile wrapping
Storage	In its original box in a cool and dry place

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PRINCE MEDICAL
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ENDOLINE® NASO-KIT

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	NASOBILIARY CATHETER		CONNECTOR LUER-LOCK	NASAL TUBE		EXTENSION
Reference	Catheter diameter (Fr)	Catheter length (cm)	Connector Luer-Lock	Nasal tube Int. diam. / Ext. diam. (mm / mm)	Length of the nasal tube (cm)	Length of the extension (cm)
CURVE 1						
AS0540500	5	250	grey	2.0 / 3.0	50	135
AS0540700	7	250	orange	2.6 / 3.7	50	135
AS0541000	10	250	white	3.7 / 4.9	50	135
CURVE 2						
AS0560500	5	250	grey	2.0 / 3.0	50	135
AS0560700	7	250	orange	2.6 / 3.7	50	135
CURVE 6						
AS0580500	5	250	grey	2.0 / 3.0	50	135
AS0580700	7	250	orange	2.6 / 3.7	50	135

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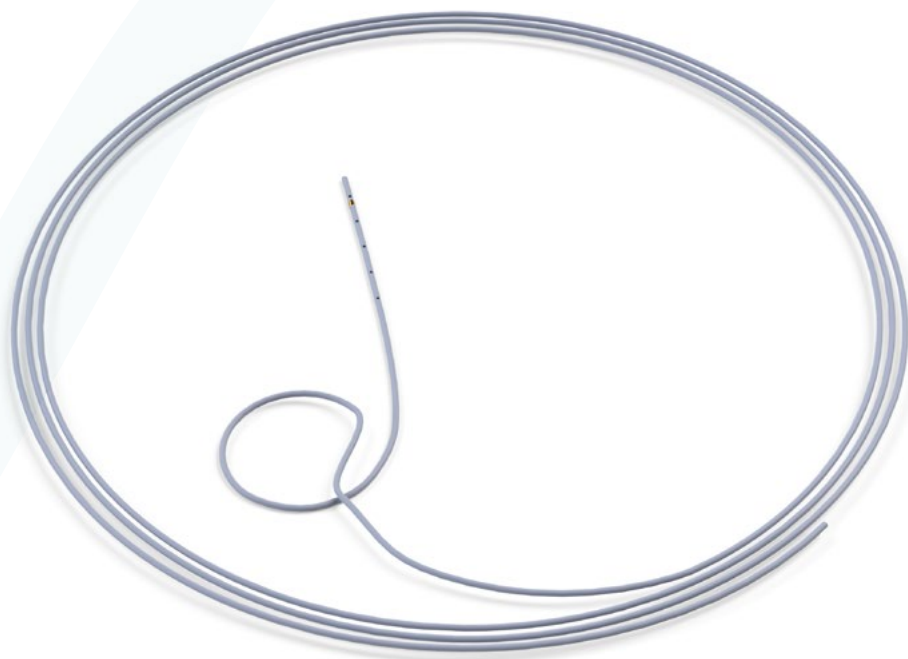
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PRINCE MEDICAL
 DEVICES

ENDOLINE® NASO-DRAIN

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NASOBILIARY CATHETER



The **ENDOLINE® NASO-DRAIN** nasobiliary catheter is used to aspirate bile or pancreatic juices. This medical device is intended primarily for persons with obstructive jaundice, acute cholangitis or extrahepatic cholestasis.

ADVANTAGES

- Axial and lateral perforations in the distal part enable efficient drainage of the hepatobiliary tract.
- Easy positioning of the catheter in the bile ducts thanks to the radiopaque distal extremity (with gold ring).

AVAILABLE FORMS



CURVE 1



CURVE 2



CURVE 6

AVAILABLE REFERENCE(S)

	Reference	Catheter diameter (Fr)	Useful length (cm)
CURVE 1	AS0530525	5	250
	AS0530725	7	250
	AS0531025	10	250
CURVE 2	AS0550525	5	250
	AS0550725	7	250
CURVE 6	AS0570525	5	250
	AS0570725	7	250

ABOUT THIS MEDICAL DEVICE

1 st release date	1996
Single use	Yes
Class	IIa
Sterile	Yes
Sterilisation method	Ethylene oxide sterilisation
Contains latex	No
Lifetime	5 years
Certification	CE
Packaging	Box of 5 units in individual sterile wrapping
Storage	In its original box in a cool and dry place

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PRINCE MEDICAL
 DEVICES

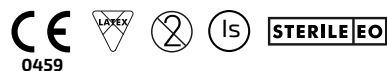
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ENDOLINE® NASO-CONNECT

LUER-LOCK CONNECTOR

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The **ENDOLINE® NASO-CONNECT** Luer-Lock connector enables the aspiration of bile or pancreatic juices. It also allows to remove the endoscope while leaving the catheter in place. This component is part of the **ENDOLINE® NASO-KIT** nasobiliary kit (for more information on the kit, please consult the data sheet page 18).

AVAILABLE REFERENCE(S)

Reference	Diameter (Fr)	Colour
AS0050500	5	grey
AS0050600	6	blue
AS0050700	7	orange
AS0051000	10	white



ABOUT THIS MEDICAL DEVICE

1 st release date	1997
Single use	Yes
Class	Is
Sterile	Yes
Sterilisation method	Ethylene oxide sterilisation
Contains latex	No
Lifetime	5 years
Certification	CE
Packaging	Box of 50 units in individual sterile wrapping
Storage	In its original box in a cool and dry place

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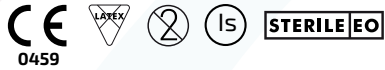
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PRINCE MEDICAL
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ENDOLINE® NASO-EXTEND

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FULL EXTENSION



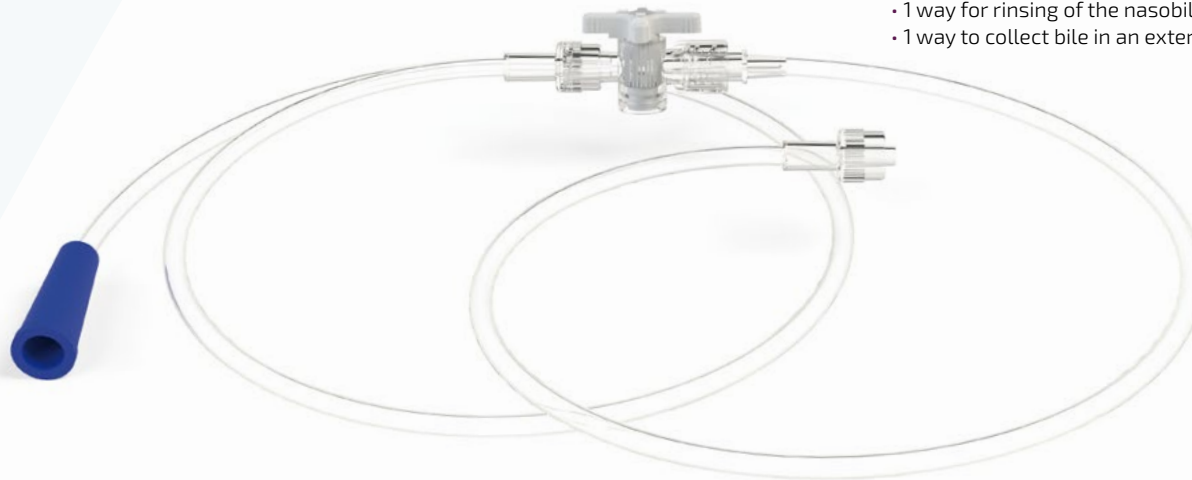
The **ENDOLINE® NASO-EXTEND** full extension drains bile or pancreatic secretions into an external receiving bag, and can also be used to rinse the nasobiliary catheter. This single use medical device is part of the **ENDOLINE® NASO-KIT** nasobiliary kit (for more information on the kit, please consult the data sheet page 18).

It has a 3-ways stopcock:

- 1 way to the patient, which is connected to the proximal end of the nasobiliary catheter via the Luer-Lock connector.
- 1 way for rinsing of the nasobiliary catheter, when required.
- 1 way to collect bile in an external receiving bag.

AVAILABLE REFERENCE(S)

Reference	Length (cm)
AS0210013	135



ABOUT THIS MEDICAL DEVICE

1 st release date	1997
Single use	Yes
Class	Is
Sterile	Yes
Sterilisation method	Ethylene oxide sterilisation
Contains latex	No
Lifetime	5 years
Certification	CE
Packaging	Box of 5 units in individual sterile wrapping
Storage	In its original box in a cool and dry place

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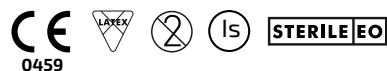
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ENDOLINE® NASO-TUBE

NASAL TUBE

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The **ENDOLINE® NASO-TUBE** nasal tube is used to retrieve a nasobiliary catheter from the larynx and remove it through the nose. This component is part of the **ENDOLINE® NASO-KIT** nasobiliary kit (for more information on the kit, please consult the data sheet page 18).

AVAILABLE REFERENCE(S)

Reference	Nasal tube Int. diam. / Ext. diam. (mm / mm)	Length of the nasal tube (cm)	Compatible with nasobiliary catheter diameter (Fr)
AS0220550	2.0 / 3.0	50	5
AS0220750	2.6 / 3.7	50	7
AS0221050	3.7 / 4.9	50	10



ABOUT THIS MEDICAL DEVICE

1 st release date	1996
Single use	Yes
Class	Is
Sterile	Yes
Sterilisation method	Ethylene oxide sterilisation
Contains latex	No
Lifetime	5 years
Certification	CE
Packaging	Box of 10 units in individual sterile wrapping
Storage	In its original box in a cool and dry place

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PRINCE MEDICAL
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DIGESTIVE & BRONCHIAL ENDOSCOPY

25

HAEMOSTASIS

• ENDOLINE® 1V-JECT 1-WAY INJECTION NEEDLE	26
• ENDOLINE® 2V-JECT 2-WAYS INJECTION NEEDLE	28
• ENDOLINE® LOOP POLYPECTOMY SNARE	30
• ENDOLINE® COLD-LOOP COLD SNARE	32
• ENDOLINE® SPRAY CATHETER SPRAY	33

ENDOLINE® 1V - JECT

26

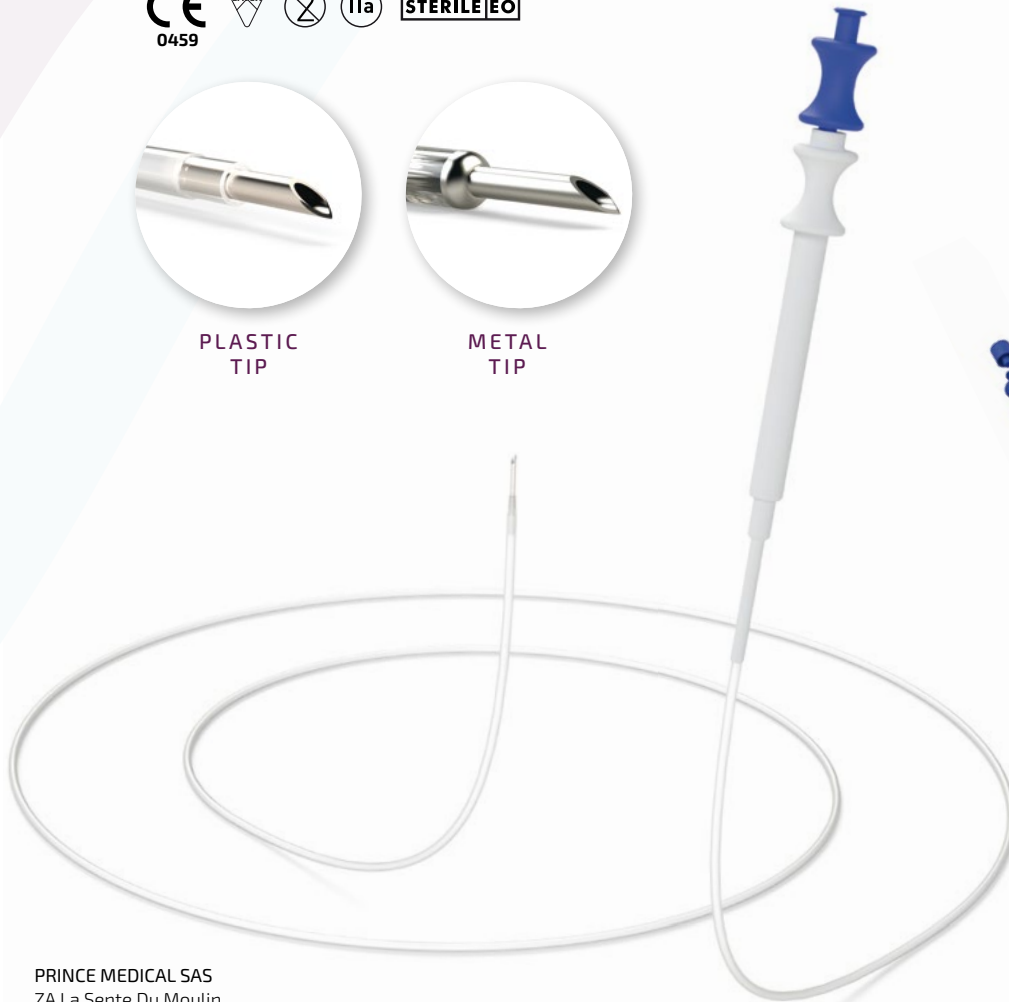
1-WAY INJECTION NEEDLE



PLASTIC
TIP



METAL
TIP



The **ENDOLINE® 1V-JECT** 1-way injection needle has been designed specifically and exclusively for haemostasis of gastrointestinal haemorrhages, sclerosis of oesophageal varices and inflating and marking polyps.

The needle is only suitable for use with flexible endoscopes.

ADVANTAGES

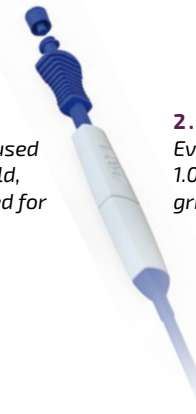
- Radiopaque distal part visible on the screen, for models with a metal tip.
- Ergonomically shaped handle for easy manipulation.
- Product compatible for use with the main endoscopes on the market.
- Luer-Lock connector for connecting a syringe for product injection

AVAILABLE HANDLES



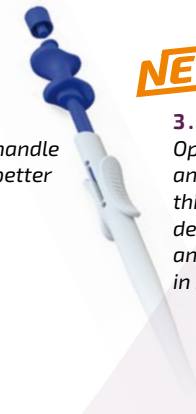
1.0

The most widely used handle in the world, used and approved for over 20 years!



2.0

Evolution of the handle 1.0, thicker for a better grip in the hand.



NEW

3.0

Optimal ergonomics and lighter weight, this handle has been designed with the user and the environment in mind!

ABOUT THIS MEDICAL DEVICE

1 st release date	1996
Single use	Yes
Class	Ila
Sterile	Yes
Sterilisation method	Ethylene oxide sterilisation
Contains latex	No
Lifetime	5 years
Certification	CE
Packaging	Box of 5 units in individual sterile wrapping
Storage	In its original box in a cool and dry place

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PRINCE MEDICAL
DEVICES

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ENDOLINE® 1V - JECT

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HANDLE 1.0**> Metal Tip**

Reference	Catheter diameter (mm/Fr)	Needle diameter (mm)	(G)	Useful length (cm)	Needle outlet length (mm)
AS1990718	2,35/7	0,7	22	180	5
AS1990723	2,35/7	0,7	22	230	5
AS1991018	2,35/7	1	19	180	5,5
AS1991023	2,35/7	1	19	230	5,5

HANDLE 2.0**> Plastic Tip**

AS2940518	1,75/5,3	0,5	25	180	4
AS2940523	1,75/5,3	0,5	25	230	4
AS2940718	2,35/7	0,7	22	180	5
AS2940723	2,35/7	0,7	22	230	5
AS2941018	2,35/7	1	19	180	5,5
AS2941023	2,35/7	1	19	230	5,5

> Metal Tip

AS3010718	2,35/7	0,7	22	180	5
AS3010723	2,35/7	0,7	22	230	5
AS3011018	2,35/7	1	19	180	5,5
AS3011023	2,35/7	1	19	230	5,5
AS3720523	2,35/7	0,5	25	230	3
AS4310523	2,35/7	0,5	25	230	4,5

HANDLE 3.0**> Plastic Tip**

AS4480518	1,75/5,3	0,5	25	180	4
AS4480523	1,75/5,3	0,5	25	230	4
AS4480718	2,35/7	0,7	22	180	5
AS4480723	2,35/7	0,7	22	230	5
AS4481018	2,35/7	1	19	180	5
AS4481023	2,35/7	1	19	230	5

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PRINCE MEDICAL
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ENDOLINE® 2V - JECT

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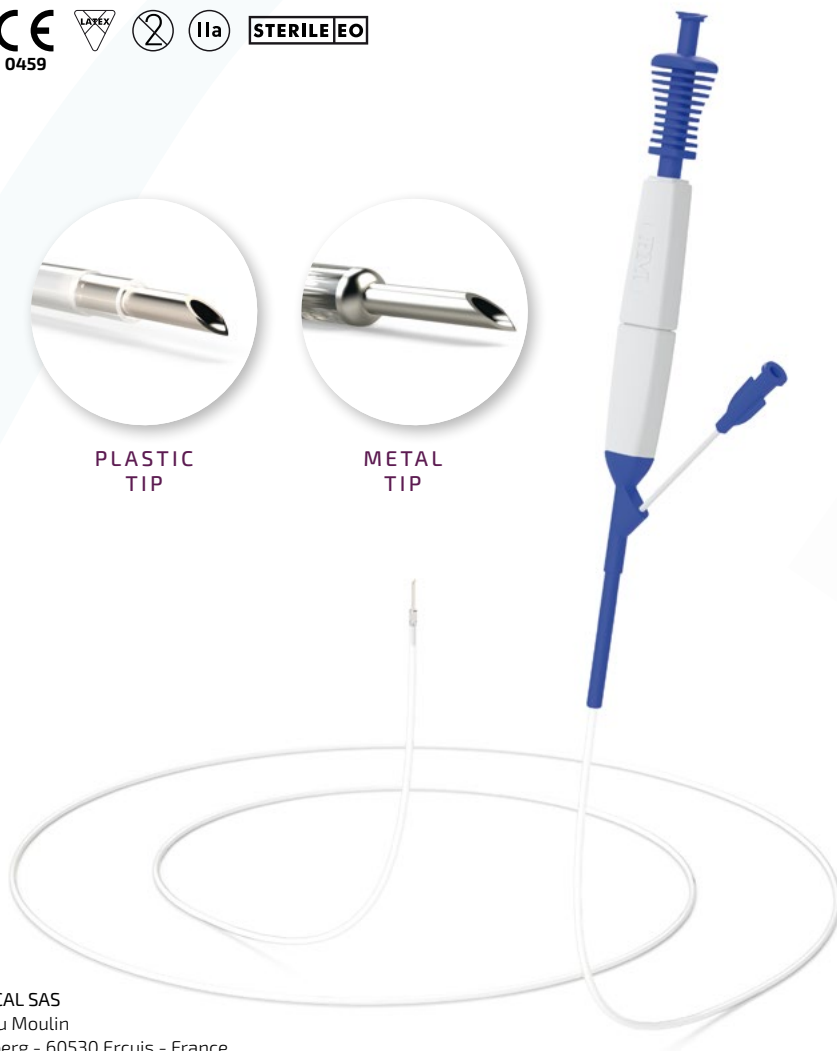
2 WAYS INJECTION NEEDLE



PLASTIC
TIP



METAL
TIP



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The ENDOLINE® 2V-JECT 2-ways injection needle has been designed specifically and exclusively for haemostasis of gastrointestinal haemorrhages, sclerosis of oesophageal varices and inflating and marking polyps.

The needle is only suitable for use with flexible endoscopes.

The 2nd way can be used to clean cleaning and/or rinse the procedure area.

ADVANTAGES

- Radiopaque distal part visible on the screen, for models with a metal tip.
- Ergonomically shaped handle for easy manipulation.
- Product compatible for use with the main endoscopes on the market.
- Luer-Lock connector for connecting a syringe for product injection.

AVAILABLE HANDLES



1.0
The most widely used handle in the world, used and approved for over 20 years!



2.0
Evolution of the handle 1.0, thicker for a better grip in the hand.

ABOUT THIS MEDICAL DEVICE

1 st release date	1996
Single use	Yes
Class	Ila
Sterile	Yes
Sterilisation method	Ethylene oxide sterilisation
Contains latex	No
Lifetime	5 years
Certification	CE
Packaging	Box of 5 units in individual sterile wrapping
Storage	In its original box in a cool and dry place

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ENDOLINE® 2V - JECT

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HANDLE 1.0

> Metal Tip

Reference	Catheter diameter (mm/Fr)	Needle diameter (mm) (G)		Useful length (cm)	Length of the needle outlet (mm)
AS1840718	2,35 / 7	0,7	22	180	5
AS1840723	2,35 / 7	0,7	22	230	5
AS1841018	2,35 / 7	1	19	180	5,5
AS1841023	2,35 / 7	1	19	230	5,5

HANDLE 2.0

> Plastic Tip

AS2830518	1,75/5,3	0,5	25	180	4
AS2830523	1,75/5,3	0,5	25	230	4
AS2830718	2,35/7	0,7	22	180	5
AS2830723	2,35/7	0,7	22	230	5
AS2830728	2,35/7	0,7	22	280	5
AS2831018	2,35/7	1	19	180	5,5
AS2831023	2,35/7	1	19	230	5,5

> Metal Tip

AS2900718	2,35/7	0,7	22	180	5
AS2900723	2,35/7	0,7	22	230	5
AS2900728	2,35/7	0,7	22	280	5
AS2901018	2,35/7	1	19	180	5,5
AS2901023	2,35/7	1	19	230	5,5

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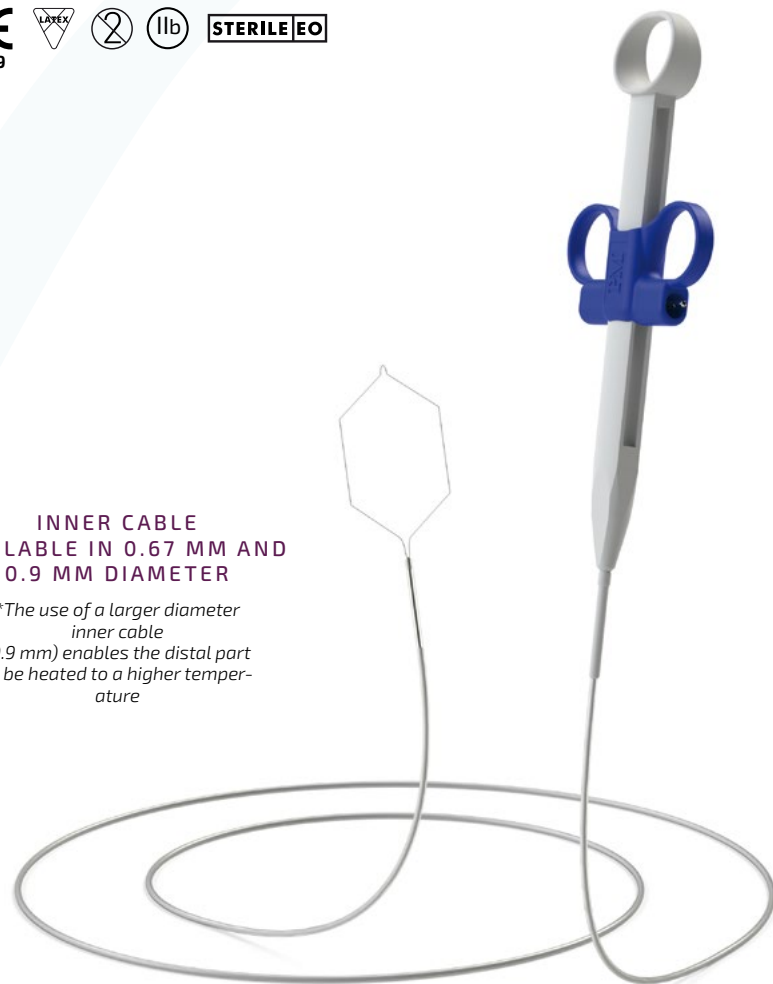
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PRINCE MEDICAL
 DEVICES

ENDOLINE® LOOP

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POLYPECTOMY SNARE



**INNER CABLE
AVAILABLE IN 0.67 MM AND
0.9 MM DIAMETER**

**The use of a larger diameter
inner cable
(0.9 mm) enables the distal part
to be heated to a higher temper-
ature*

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PRINCE MEDICAL
DEVICES

The **ENDOLINE® LOOP** polypectomy snare enables the resection of sessile/flat or pedicled polyps (≥ 6 mm) in the digestive tract via an upper or lower endoscopy. This snare is connected to the diathermy energy generator via the insert plug on the handle's movable slider.

ADVANTAGES

- Three fingers grip for easy manipulation.
- Radiopaque distal part for perfect visibility.
- Product compatible for use with the main endoscopes on the market.
- Connector for connection to a diathermic energy generator.

AVAILABLE FORMS



LARGE OVAL
Snare with flexible or rigid cable
Ø 30 x 50 mm



SMALL OVAL
Snare with flexible or rigid cable
Ø 15 x 25 mm



MONOWIRE OVAL
Snare with flexible
cable
Ø 25 x 50 mm
or 17 x 45 mm



HEXAGONAL
Snare with flexible or rigid cable
Ø 30 x 50 mm



ASYMMETRIC
Snare with flexible cable
Width, 15 mm or 25 mm

ABOUT THIS MEDICAL DEVICE

1 st release date	2001
Single use	Yes
Class	IIb
Sterile	Yes
Sterilisation method	Ethylene oxide sterilisation
Contains latex	No
Lifetime	5 years
Certification	CE
Packaging	Box of 5 units in individual sterile wrapping
Storage	In its original box in a cool and dry place

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ENDOLINE® LOOP

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LARGE OVAL

Reference	Type of snare	Diameter of the inner cable (mm)	Shape diameter (cable/rod) (mm)	Cable / Rod	Sheath diameter (mm)	Sheath length (cm)	Opening (mm)
AS2865023	Flexible	0,67	0,39	Cable	2,35	230	30 x 50
AS3755023	Rigid	0,9	0,45	Cable	2,35	230	30 x 50

SMALL OVAL

AS2922523	Flexible	0,67	0,39	Cable	2,35	230	15 x 25
AS3762523	Rigid	0,9	0,45	Cable	2,35	230	15 x 25

MONOWIRE OVAL

AS1961723	Flexible	0,67	0,25	Rod	2,35	230	17 x 45
AS1972523	Flexible	0,67	0,30	Rod	2,35	230	25 x 50

HEXAGONAL

AS2985023	Flexible	0,67	0,39	Cable	2,35	230	30 x 50
AS3775023	Rigid	0,9	0,45	Cable	2,35	230	30 x 50

ASYMMETRIC

AS3265023	Flexible	0,67	0,39	Cable	2,35	230	25
AS3961523	Flexible	0,67	0,39	Cable	2,35	230	15

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PRINCE MEDICAL
 DEVICES

ENDOLINE® COLD-LOOP

32

COLD SNARE



The **ENDOLINE® COLD-LOOP** cold snare is intended for endoscopic resection of small sessile/flat (≤ 9 mm) polyps present in the gastrointestinal tract via an upper or lower endoscopy without use of diathermic energy.

ADVANTAGES

- Three fingers grip for easy manipulation.
- Radiopaque distal part for perfect visibility.
- Product compatible for use with the main endoscopes on the market.

AVAILABLE REFERENCE(S)

Reference	Sheath diameter (mm)	Sheath length (cm)	Opening (mm)
AS4372523	2.35	230	10 x 25

ABOUT THIS MEDICAL DEVICE

1 st release date	2016
Single use	Yes
Class	IIa
Sterile	Yes
Sterilisation method	Ethylene oxide sterilisation
Contains latex	No
Lifetime	5 years
Certification	CE
Packaging	Box of 5 units in individual sterile wrapping
Storage	In its original box in a cool and dry place

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PRINCE MEDICAL
 DEVICES

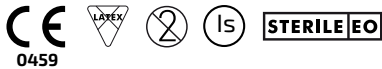
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ENDOLINE® SPRAY

CATHETER SPRAY

33



The **ENDOLINE® SPRAY** catheter spray enables staining products to be injected into the digestive system's mucous membrane. This injection is used for mucosal analysis in case of lesions or polyps in the digestive system, in patients with a relevant medical history or for diagnosis purposes.

ADVANTAGES

- Easy one-handed operation.
- Product compatible for use with the main endoscopes on the market.
- Luer-Lock connector for connecting a syringe for injection of staining products.

AVAILABLE REFERENCE(S)

Reference	Catheter diameter (mm)	Useful length (cm)
AS2791823	1.8	230

ABOUT THIS MEDICAL DEVICE

1 st release date	2009
Single use	Yes
Class	Is
Sterile	Yes
Sterilisation method	Ethylene oxide sterilisation
Contains latex	No
Lifetime	5 years
Certification	CE
Packaging	Box of 5 units in individual sterile wrapping
Storage	In its original box in a cool and dry place



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DIGESTIVE & BRONCHIAL ENDOSCOPY

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CYTOLOGICAL SAMPLING

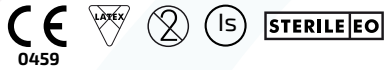
- **ENDOLINE® CYTO-BRUSH** CYTOLOGY BRUSH

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ENDOLINE® CYTO-BRUSH

36

CYTOLOGY BRUSH



The **ENDOLINE® CYTO-BRUSH** cytology brush enables cytological samples to be taken from the mucous membranes of the digestive tract, bronchial tubes and bile ducts for the diagnosis of pathologies such as infectious diseases or cancer.

ADVANTAGES

- Handle with thumb ring for easy manipulation.
- Radiopaque distal part for perfect visibility.
- Includes scissors (depending on product reference).
- Product compatible for use with the main endoscopes on the market.

ADDITIONAL ACCESSORIES

Scissors to cut the brush at the end of the examination and place it in a storage bottle for transport to the test lab.

The references concerned: AS3673022, AS3673016, AS3672512, AS3672522



ABOUT THIS MEDICAL DEVICE

1 st release date	1996
Single use	Yes
Class	Is
Sterile	Yes
Sterilisation method	Ethylene oxide sterilisation
Contains latex	No
Lifetime	5 years
Certification	CE
Packaging	Box of 5 units in individual sterile wrapping
Storage	In its original box in a cool and dry place

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ENDOLINE® CYTO-BRUSH

37

WITHOUT ACCESSORIES

Reference (cm)	Sheath length (mm)	Sheath diameter (mm)	Brush diameter
AS0373022	220	2.35	3
AS0373016	160	2.35	3
AS0372512	120	1.75	2.5
AS0372522	220	1.75	2.5

WITH ACCESSORIES
(SCISSORS)

AS3673022	220	2.35	3
AS3673016	160	2.35	3
AS3672512	120	1.75	2.5
AS3672522	220	1.75	2.5

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PRINCE MEDICAL
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DIGESTIVE & BRONCHIAL ENDOSCOPY

39

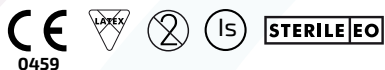
GASTRIC BALLOON EXTRACTION

- | | |
|---|----|
| • ENDOLINE® PUNC DRAINAGE NEEDLE | 40 |
| • ENDOLINE® VIPER EXTRACTION FORCEPS | 41 |

ENDOLINE® PUNC

40

DRAINAGE NEEDLE



The ENDOLINE® PUNC drainage needle is used to drain gastric balloons.

ADVANTAGES

- Ergonomically shaped handle for easy manipulation.
- Radiopaque distal part for perfect visibility.
- Luer-Lock connector for connecting a syringe to drain air and water from the gastric balloons.
- Product compatible for use with the main endoscopes on the market.

AVAILABLE REFERENCE(S)

Reference	Catheter diameter (mm / Fr)	Tip diameter (mm)	Useful length (cm)
AS2640718	2.33 / 7	1	180

AVAILABLE AS A KIT WITH EXTRACTION FORCEPS

ENDOLINE® PUNC & VIPER / *Extraction kit*

Reference: AS2710718

ABOUT THIS MEDICAL DEVICE

1 st release date	2008
Single use	Yes
Class	Is
Sterile	Yes
Sterilisation method	Ethylene oxide sterilisation
Contains latex	No
Lifetime	5 years
Certification	CE
Packaging	Box of 5 units in individual sterile wrapping
Storage	In its original box in a cool and dry place

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PRINCE MEDICAL
DEVICES

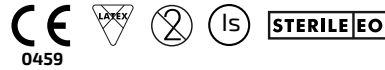
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ENDOLINE® VIPER

EXTRACTION FORCEPS

41



The ENDOLINE® VIPER double-grasp extraction forceps is used for the extraction of emptied intragastric balloons.

ADVANTAGES

- Three fingers grip for easy manipulation.
- Radiopaque distal part for perfect visibility.
- Product compatible for use with the main endoscopes on the market.
- Reinforced with a sheath spring to support balloon resistance during extraction.

AVAILABLE REFERENCE(S)

Reference	Sheath diameter (mm / Fr)	Sheath length (cm)
AS2290718	2.3/7	180

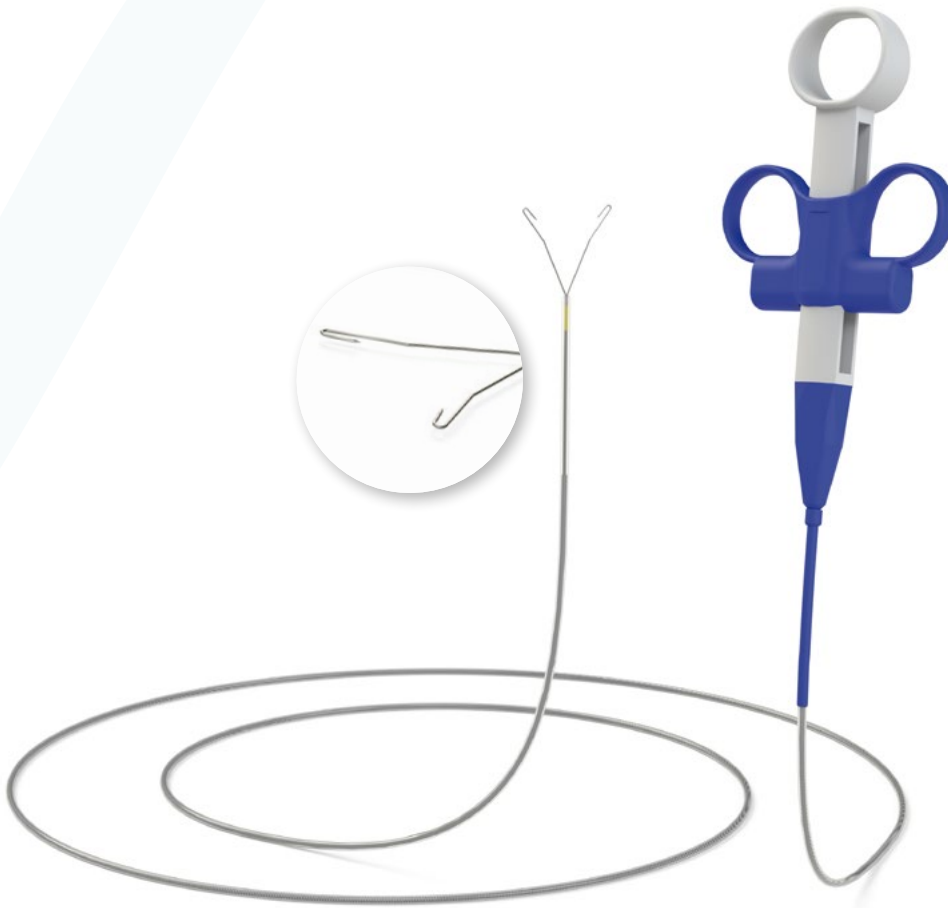
AVAILABLE AS A KIT WITH THE DRAINAGE NEEDLE

ENDOLINE® PUNC&VIPER / *Extraction kit*

Reference: AS2710718

ABOUT THIS MEDICAL DEVICE

1 st release date	2008
Single use	Yes
Class	Is
Sterile	Yes
Sterilisation method	Ethylene oxide sterilisation
Contains latex	No
Lifetime	5 years
Certification	CE
Packaging	Box of 5 units in individual sterile wrapping
Storage	In its original box in a cool and dry place



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PRINCE MEDICAL
 DEVICES



DIGESTIVE & BRONCHIAL ENDOSCOPY

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ECHO-ENDOSCOPY

- **ECHO HOOD® APERTURE-1** BALLOON 1 OPENING 44
- **ECHO HOOD® APERTURE-2** BALLOON 2 OPENINGS 45

ECHO HOOD® APERTURE-1

44

BALLOON 1 OPENING



The **ECHO HOOD® APERTURE-1** balloon for echo-endoscope fits on the ultrasound probe to make contact with the gastrointestinal wall and thus provide a good ultrasound image.

ADVANTAGES

- Can withstand handling.
- Adequate thickness for the passage of ultrasound waves.
- Product compatible for use with the main endoscopes on the market.

AVAILABLE REFERENCE(S)

Reference	Compatible endoscopes	Balloon length (mm)	Opening size (mm)
AS1470000	ECHO-DUODENOSCOPE Pentax	34	8.7
AS1830000	ECHO-DUODENOSCOPE Olympus	15	6.4
AS3680000	ECHO-DUODENOSCOPE Olympus 180	15	6.5
AS2800000	ECHO-ENDOSCOPE Fujinon convex	18	5.8
AS3560000	ECHO-ENDOSCOPE Fujinon convex	18	6

ABOUT THIS MEDICAL DEVICE

1 st release date	1998
Single use	Yes
Class	Is
Sterile	Yes
Sterilisation method	Ethylene oxide sterilisation
Contains latex	Yes
Lifetime	2 years
Certification	CE
Packaging	Box of 20 units in individual sterile wrapping
Storage	In its original box, protected from ultraviolet rays, in a cool and dry place

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 DEVICES

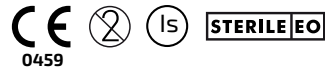
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ECHO HOOD® APERTURE-2

BALLOON 2 OPENINGS

45



The ECHO HOOD® APERTURE-2 balloon for echo-endoscope fits on the ultrasound probe to make contact with the gastrointestinal wall and thus provide a good ultrasound image.

ADVANTAGES

- Can withstand handling.
- Adequate thickness for the passage of ultrasound waves.
- Product compatible for use with the main endoscopes on the market.

PRECAUTIONS FOR USE

DO NOT USE IN PATIENTS ALLERGIC TO LATEX

AVAILABLE REFERENCE(S)

Reference	Compatible endoscopes	Length of the balloon (mm)	Size of 1 st opening (mm)	Size of 2 nd opening (mm)
AS1070000	ECHO-DUODENOSCOPE Olympus	16	5.4	2.7
AS2070000	ECHO-DUODENOSCOPE Pentax	19	6.5	5
AS3710000	ECHO-DUODENOSCOPE Pentax	22	1.8	4.2
AS2660000	ECHO-ENDOSCOPE Fujinon radial	19	5.8	5.8
AS3610000	ECHO-ENDOSCOPE Fujinon radial	19	6	6
AS2230000	ECHO-ENDOSCOPE series 160 Olympus	17	5.4	2.7
AS1460000	ECHOCOLOSCOPE Olympus	17	6	8.8
AS3280000	ECHO-BRONCHOSCOPE Olympus	12	1.3	3.3
AS3940000	ECHO-BRONCHOSCOPE Pentax	13.5	3.1	1.15

ABOUT THIS MEDICAL DEVICE

1 st release date	1998
Single use	Yes
Class	Is
Sterile	Yes
Sterilisation method	Ethylene oxide sterilisation
Contains latex	Yes
Lifetime	2 years
Certification	CE
Packaging	Box of 20 units in individual sterile wrapping
Storage	In its original box, protected from sunlight, in a cool and dry place

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PRINCE MEDICAL
DEVICES



DIGESTIVE & BRONCHIAL ENDOSCOPY

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FOREIGN BODIES

• **ENDOLINE® HOOD** HOOD

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ENDOLINE® HOOD

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HOOD



The **ENDOLINE® HOOD** fits on the distal end of most endoscopes and protects the cardia, oesophagus and pharynx during endoscopic foreign body removal. It also prevents the foreign body from escaping.

ADVANTAGES

- Bell shape to completely cover the foreign body.
- Easy fixation and compatible with main endoscopes on the market.
- Secured by the attached elastic band.

PRECAUTIONS FOR USE

DO NOT USE IN PATIENTS ALLERGIC TO LATEX

AVAILABLE REFERENCE(S)

Reference	Material	Distal tip diameter (mm)	Proximal tip diameter (mm)	Useful length (mm)
AS0420000	Latex	40	8.3	75

ABOUT THIS MEDICAL DEVICE

1 st release date	1998
Single use	Yes
Class	Is
Sterile	Yes
Sterilisation method	Ethylene oxide sterilisation
Contains latex	Yes
Lifetime	2 years
Certification	CE
Packaging	Box of 10 units in individual sterile wrapping
Storage	In its original box, protected from ultraviolet rays, in a cool and dry place

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DIGESTIVE & BRONCHIAL ENDOSCOPY

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ACCESSORIES

- | | |
|--|----|
| • ENDOLINE® VALVE VALVE FOR WORKING CHANNEL | 50 |
| • OXYCAP® EVO MOUTHPIECE | 52 |

ENDOLINE® VALVE

50

WORKING CHANNEL VALVE



VALVE WITH LATERAL
IRRIGATION FITTING



VALVE WITH LATERAL
IRRIGATION FITTING AND NON-RETURN VALVE

The **ENDOLINE® VALVE** working channel valve is a phosphorescent valve that fits on the endoscope's working channel. It gives accessories access to the working channel, guarantees a tight seal during the examination and eliminates the risk of cross-contamination between patients.

ADVANTAGES

- Narrow closure to prevent leakage.
- Product compatible for use with the main endoscopes on the market.
- References with trans-valve fitting connecting to commonly used syringe models.
- References with lateral irrigation fitting for lavage through the working channel while maintaining the accessory in place.
- References with integrated non-return valve to prevent gastric reflux in the endoscope.

ABOUT THIS MEDICAL DEVICE

1 st release date	2007
Single use	Yes
Class	Is
Sterile	Yes
Sterilisation method	Ethylene oxide sterilisation
Contains latex	No
Lifetime	5 years
Certification	CE
Packaging	Box of 50 or 100 units in individual sterile wrapping, depending on product reference
Storage	In its original box in a cool and dry place



VALVE ONLY



VALVE WITH
FITTING

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ECHO HOOD® VALVE

51

DIGESTIVE & BRONCHIAL

Reference	Compatible endoscopes	Supplied with a connector	Colour	Packaging
AS2430000	Olympus, Fujinon	-	orange	100
AS2440000	Pentax	-	yellow	100
AS2500000	Olympus, Fujinon	trans-valve	orange	100
AS2510000	Pentax	trans-valve	yellow	100
AS2450000	Olympus, Fujinon	lateral irrigation	orange	50
AS2460000	Pentax	lateral irrigation	yellow	50
AS3810000	Olympus, Fujinon	lateral irrigation & AR valve	orange	50
AS3820000	Pentax	lateral irrigation AR & valve	yellow	50

BRONCHIAL ENDOSCOPY

AS2690000	Olympus, Fujinon	-	blue	100
AS3020000	Pentax	-	pink	100
AS3350000	Olympus, Fujinon	trans-valve	blue	100
AS3400000	Pentax	trans-valve	pink	100

OXYCAP® EVO

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MOUTHPIECE



MOUTHPIECE
WITH 2 CONNECTORS
MOUNTED



MOUTHPIECE
WITH BAND
AND 2 CONNECTORS
MOUNTED



The **OXYCAP® EVO** mouthpiece is used in upper digestive endoscopies (gastroscopy, duodenoscopy, etc.) to protect the patient's teeth, as well as to protect endoscopes passing through the oral cavity. The connectors allow continuous oxygenation during the procedure.

MOUTHPIECES

Reference	Configuration	Packaging
AS4200000	Only	75
AS4210000	With band	75
AS4250000	With 2 connectors mounted	75
AS4260000	With band and 2 connectors mounted	75

ADDITIONAL ACCESSORIES

Reference	Configuration	Packaging
AS4220000	Band only	75
AS4270000	Connector with Luer	10
AS4280000	Connector with filter	10
AS4230000	White connector only	100
AS4390000	Yellow connector only	100

ABOUT THIS MEDICAL DEVICE

1 st release date	2017
Single use	Yes
Class	Is
Sterile	Yes
Sterilisation method	Ethylene oxide sterilisation
Contains latex	No
Lifetime	2 years
Certification	CE
Packaging	Box of 10, 75 or 100 units in individual sterile wrapping depending on product reference
Storage	In its original box in a cool and dry place

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DIGESTIVE & BRONCHIAL ENDOSCOPY

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CLEANING SWABS AND BRUSHES

• CLEANBRUSH® ENDO CLEANING BRUSH FOR ENDOSCOPE WORKING CHANNEL	54
• CLEANBRUSH® ENDO-XL CLEANING BRUSH FOR RIGID INSTRUMENTS	56
• CLEANBRUSH® PISTON CLEANING BRUSH FOR ENDOSCOPE VALVES	57
• CLEANBRUSH® EXO-B BRUSH FOR EXTERNAL ENDOSCOPE CLEANING	58
• CLEANBRUSH® EXO-S SPONGE FOR EXTERNAL ENDOSCOPE CLEANING	59
• CLEANBRUSH® KIT-2 2-PART CLEANING SWAB KIT	60
• CLEANBRUSH® KIT-3 3-PART CLEANING SWAB KIT	62
• CLEANBRUSH® KIT-4 4-PART CLEANING SWAB KIT	64
• CLEANBRUSH® KIT-5 5-ELEMENT CLEANING SWAB KIT	64
• CLEANBRUSH® TRACH BRUSH FOR TRACHEAL CANNULA	66

CLEANBRUSH® ENDO

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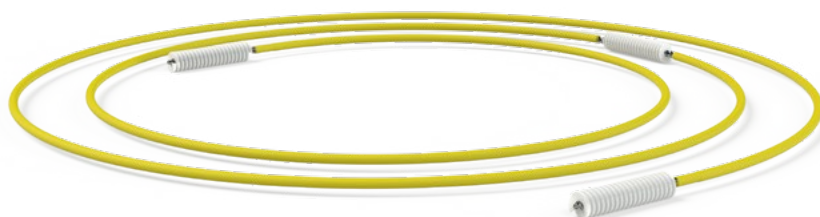
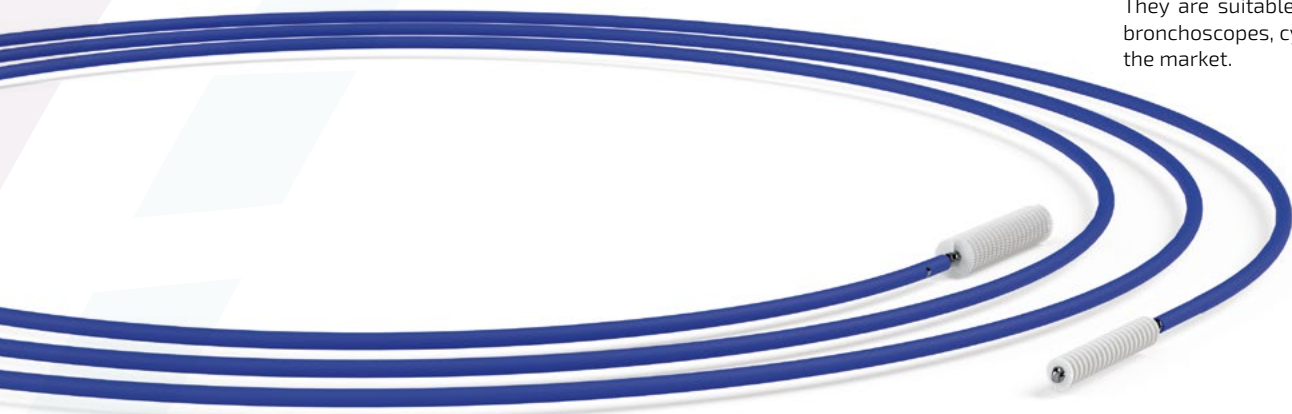
CLEANING BRUSH FOR ENDOSCOPE WORKING CHANNEL



CLEANBRUSH® ENDO cleaning brushes are used to clean the

- > working channels, air/water channels in flexible endoscopes,
- > working channels, air/water channels in rigid endoscopes,
- > O-type duodenoscope elevator.

They are suitable for use with the main gastroscopes, colonoscopes, duodenoscopes, enteroscopes, bronchoscopes, cystoscopes, ureteroscopes, nephroscopes, hysteroscopes and naso-laryngoscopes on the market.



ABOUT THIS MEDICAL DEVICE

1 st release date	1999
Single use	Yes
Class	I
Sterile	No (ethylene oxide decontamination)
Contains latex	No
Lifetime	5 years
Certification	CE
Packaging	Box of 50 units in non-sterile wrapping
Storage	In its original box in a cool and dry place

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AVAILABLE REFERENCE(S)

> CLEANING THE WORKING CHANNEL ON FLEXIBLE ENDOSCOPES

Reference	Brush diameter (mm)	Number of brushes	Sheath diameter (mm)	Recommended diameter for working channel of the endoscope	Length (cm)
HN3272011	2	1	0.8	From 1 mm to 1.6 mm	110
HN3272023	2	1	0.8	From 1 mm to 1.6 mm	230
HN1050106	1.8	1	1	From 1.2 mm to 1.6 mm	60
HN1050110	1.8	1	1	From 1.2 mm to 1.6 mm	100
HN1050123	1.8	1	1	From 1.2 mm to 1.6 mm	230
HN1050135	1.8	1	1	From 1.2 mm to 1.6 mm	350
HN1050138	1.8	1	1	From 1.2 mm to 1.6 mm	380
HN1060110	1.8	2	1	From 1.2 mm to 1.6 mm	100
HN1060123	1.8	2	1	From 1.2 mm to 1.6 mm	230
HN1053006	3	1	1.60	From 1.8 mm to 2.6 mm	60
HN1053007	3	1	1.60	From 1.8 mm to 2.6 mm	75
HN1053010	3	1	1.60	From 1.8 mm to 2.6 mm	100
HN1053018	3	1	1.60	From 1.8 mm to 2.6 mm	180
HN1053023	3	1	1.60	From 1.8 mm to 2.6 mm	230
HN1053028	3	1	1.60	From 1.8 mm to 2.6 mm	280
HN1063010	3	2	1.60	From 1.8 mm to 2.6 mm	100
HN1063018	3	2	1.60	From 1.8 mm to 2.6 mm	180
HN1063023	3	2	1.60	From 1.8 mm to 2.6 mm	230
HN1063028	3	2	1.60	From 1.8 mm to 2.6 mm	280
HN2083018	11 & 3	2	1.60	From 1.8 mm to 2.6 mm	180
HN2083023	11 & 3	2	1.60	From 1.8 mm to 2.6 mm	230
HN1055002	5	1	1.80	From 2.7 mm to 4.6 mm	20
HN1055006	5	1	1.80	From 2.7 mm to 4.6 mm	60

> CLEANING THE WORKING CHANNEL ON RIGID ENDOSCOPES

Reference	Brush Diameter (mm)	Number of brushes	Sheath diameter (mm)	Recommended diameter for working channel of the endoscope	Length (cm)
HN1053004	3	1	1.60	From 1.8 mm to 2.6 mm	40
HN1055004	5	1	1.80	From 2.7 mm to 4.6 mm	40
HN1051104	11	1	1.80	From 6.1 mm to 10.6 mm	40

Reference	Brush diameter (mm)	Number of brushes	Sheath diameter (mm)	Recommended diameter for working channel of the endoscope	Length (cm)
HN1055010	5	1	1.80	From 2.7 mm to 4.6 mm	100
HN1055018	5	1	1.80	From 2.7 mm to 4.6 mm	180
HN1055020	5	1	1.80	From 2.7 mm to 4.6 mm	200
HN1055023	5	1	1.80	From 2.7 mm to 4.6 mm	230
HN1055028	5	1	1.80	From 2.7 mm to 4.6 mm	280
HN1055030	5	1	1.80	From 2.7 mm to 4.6 mm	300
HN1065010	5	2	1.80	From 2.7 mm to 4.6 mm	100
HN1065018	5	2	1.80	From 2.7 mm to 4.6 mm	180
HN1065020	5	2	1.80	From 2.7 mm to 4.6 mm	200
HN1065023	5	2	1.80	From 2.7 mm to 4.6 mm	230
HN1065028	5	2	1.80	From 2.7 mm to 4.6 mm	280
HN1065030	5	2	1.80	From 2.7 mm to 4.6 mm	300
HN2085023	11 & 5	2	1.80	From 2.7 mm to 4.6 mm	230
HN1785023	5	3	1.80	From 2.7 mm to 4.6 mm	230
HN3525023	5	2	1.80	From 2.7 mm to 4.6 mm	230
HN1056506	6.5	1	1.80	From 4.7 mm to 6 mm	60
HN1056523	6.5	1	1.80	From 4.7 mm to 6 mm	230
HN1066523	6.5	2	1.80	From 4.7 mm to 6 mm	230
HN1068023	8	2	1.80	From 4.2 mm to 7.6 mm	230
HN1068028	8	2	1.80	From 4.2 mm to 7.6 mm	280

> OTHER CLEANING

Reference	Brush diameter (mm)	Number of brushes	Type of cleaning	Length (cm)
HN4302000	2	1	O-type duodenoscope elevator	6



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PRINCE MEDICAL
DEVICES

CLEANBRUSH® ENDO-XL

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CLEANING BRUSH FOR RIGID INSTRUMENTS



The **CLEANBRUSH® ENDO-XL** cleaning brushes are intended for cleaning the channels of rigid instruments before sterilisation, such as surgical trocars.

They are also suitable for cleaning rigid endoscopes used in urology, gynaecology and ENT.

AVAILABLE REFERENCE(S)

Reference	Brush diameter (mm)	Number of brushes	Sheath diameter (mm)	Recommended diameter for channel to be cleaned	Length (cm)	Packaging
HN3435506	5.5	1	3.3	From 4.1 to 5 mm	60	20
HN3438006	8	1	3.3	From 5.1 mm to 7 mm	60	20
HN3431106	11	1	3.3	From 7.1 to 9 mm	60	20
HN3431406	14	1	3.3	From 9.1 mm to 12 mm	60	10
HN3431806	18	1	3.3	From 12.1 to 16 mm	60	10
HN2575006	5 11	2	3.3	From 2.7 to 4.5 mm From 6 to 10 mm	60	10



ABOUT THIS MEDICAL DEVICE

1 st release date	1999
Single use	Yes
Class	I
Sterile	No (ethylene oxide decontamination)
Contains latex	No
Lifetime	5 years
Certification	CE
Packaging	Box of 10 or 20 units in non-sterile wrapping according to the reference
Storage	In its original box in a cool and dry place

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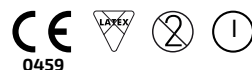
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CLEANBRUSH® PISTON

CLEANING BRUSH FOR ENDOSCOPE VALVES

57



The **CLEANBRUSH® PISTON** cleaning brushes are intended for cleaning the valve and valve cages of flexible endoscopes.

They are suitable for use with the main gastroscopes, colonoscopes, duodenoscopes, enteroscopes, bronchoscopes, cystoscopes, ureteroscopes, nephroscopes, hysteroscopes and naso-laryngoscopes on the market.

AVAILABLE REFERENCE(S)

Reference	Brush diameter (mm)	Number of brushes	Type of cleaning	Length (cm)
HN1061110	11 & 5	2	For valves and valve cages	15.5



ABOUT THIS MEDICAL DEVICE

1 st release date	1999
Single use	Yes
Class	I
Sterile	No (ethylene oxide decontamination)
Contains latex	No
Lifetime	5 years
Certification	CE
Packaging	Box of 50 units in non-sterile wrapping
Storage	In its original box in a cool and dry place

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PRINCE MEDICAL
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CLEANBRUSH® EXO-B

58

BRUSH FOR EXTERNAL ENDOSCOPE CLEANING



The **CLEANBRUSH® EXO-B** external brushes are intended for cleaning the external surface of endoscopes.

AVAILABLE REFERENCE(S)

Reference	Bristles length (cm)	Useful Length (cm)	Brush shape	Bristle type
HN2580000	1	2 x 8	U-shaped	Supple
HN3952200	2	5.5	Straight with handle	Supple
HN3953500	1.5	5.5	Straight with handle	Rigid

ABOUT THIS MEDICAL DEVICE

1 st release date	1999
Single use	Yes
Class	I
Sterile	No (ethylene oxide decontamination)
Contains latex	No
Lifetime	5 years
Certification	CE
Packaging	Box of 25 units in non-sterile wrapping
Storage	In its original box in a cool and dry place

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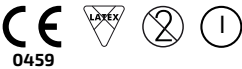
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CLEANBRUSH® EXO-S

SPONGE FOR EXTERNAL ENDOSCOPE CLEANING



The CLEANBRUSH® EXO-S sponge is intended for cleaning the external surface of endoscopes.

AVAILABLE REFERENCE(S)

Reference	Available width (cm)	Available length (cm)
HN1790000	5	13



ABOUT THIS MEDICAL DEVICE

1 st release date	1999
Single use	Yes
Class	I
Sterile	No (ethylene oxide decontamination)
Contains latex	No
Lifetime	5 years
Certification	CE
Packaging	Box of 25 units in non-sterile wrapping
Storage	In its original box in a cool and dry place

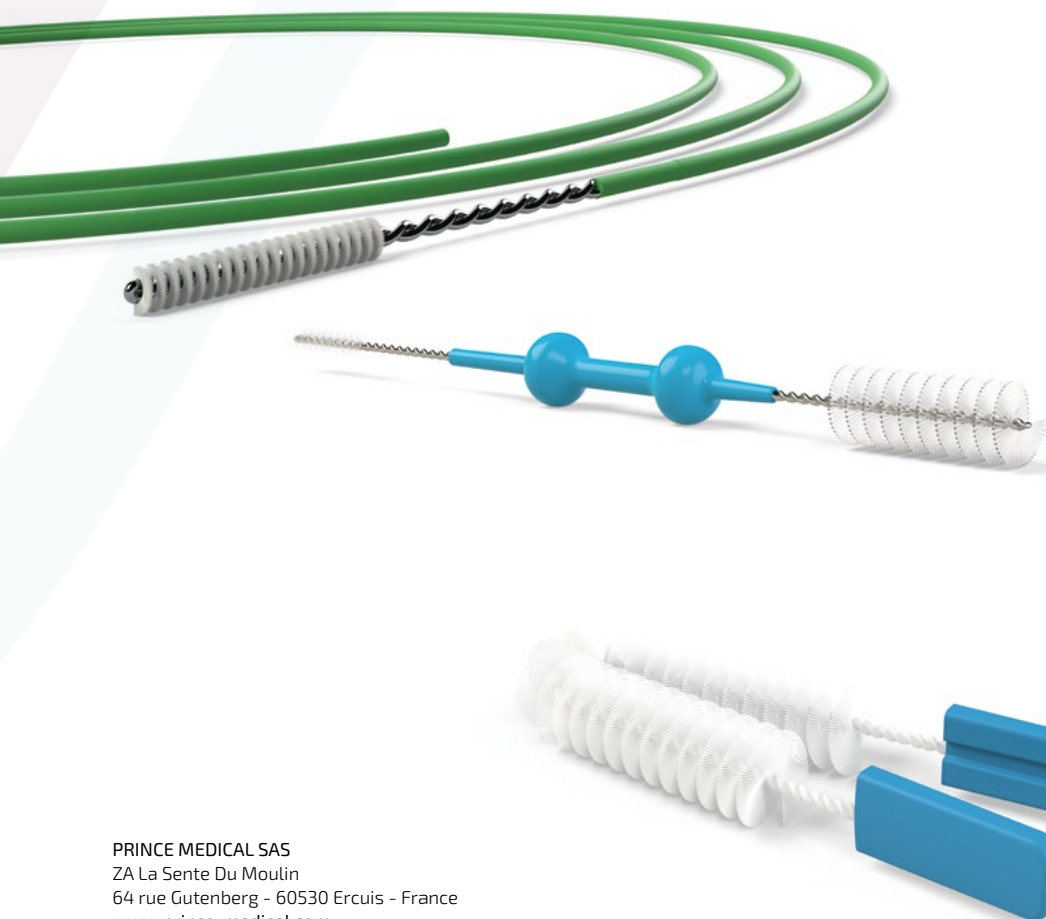
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CLEANBRUSH® KIT-2

60

2-PART CLEANING SWAB KIT



The **CLEANBRUSH® KIT-2** swab kits are intended for cleaning the working channels, valves and valve cages of flexible endoscopes.

They are suitable for use with most major brands of gastroscopes, colonoscopes, duodenoscopes, enteroscopes, bronchoscopes, cystoscopes, ureteroscopes, nephroscopes, hysteroscopes and nasolaryngoscopes.

KIT COMPONENTS (SEE THE TABLE FOR THE DETAILED COMPONENTS BY REFERENCE)

- **CLEANBRUSH® ENDO**: cleaning brush for working channel
- **CLEANBRUSH® PISTON**: cleaning brush for valves, valve cages
- **CLEANBRUSH® EXO-B**: brush for external cleaning
- **CLEANBRUSH® EXO-S**: sponge for external cleaning

ABOUT THIS MEDICAL DEVICE

1 st release date	1999
Single use	Yes
Class	I
Sterile	No (ethylene oxide decontamination)
Contains latex	No
Lifetime	5 years
Certification	CE
Packaging	Box of 25 or 50 units depending on product reference
Storage	In its original box in a cool and dry place

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CLEANBRUSH® KIT-2

61

AVAILABLE REFERENCE(S)

REFERENCES FOR CLEANING BRUSHES

Kit reference	For working channel	For valves	Packaging
HN1850110	HN1050110 (with 1 brush Ø 1.8 mm L100 cm)	HN1061110 (with 2 brushes Ø11 & 5mm, L15.5 cm)	50
HN1853010	HN1053010 (with 1 brush Ø 3 mm L100 cm)		
HN1853018	HN1053018 (with 1 brush Ø 3 mm L180 cm)		
HN1855010	HN1055010 (with 1 brush Ø 5 mm L100 cm)		
HN1855018	HN1055018 (with 1 brush Ø 5 mm L180 cm)		
HN1855020	HN1055020 (with 1 brush Ø 5 mm L200 cm)		
HN1855023	HN1055023 (with 1 brush Ø 5 mm L230 cm)		
HN1856523	HN1056523 (with 1 brush Ø 6.5 mm L230 cm)		
HN1860110	HN1060110 (with 2 brushes Ø 1.8 mm L100 cm)		
HN1863010	HN1063010 (with 2 brushes Ø 3 mm L100 cm)		
HN1863018	HN1063018 (with 2 brushes Ø 3 mm L180 cm)		
HN1865010	HN1065010 (with 2 brushes Ø 5 mm L100 cm)		
HN1865018	HN1065018 (with 2 brushes Ø 5 mm L180 cm)		
HN1865020	HN1065020 (with 2 brushes Ø 5 mm L200 cm)		
HN1865023	HN1065023 (with 2 brushes Ø 5 mm L230 cm)		
HN1866523	HN1066523 (with 2 brushes Ø 6.5 mm L230 cm)		

KIT COMPONENT REFERENCES

Kit reference	Brush for external cleaning	Sponge for external cleaning	Packaging
HN2750000	HN2580000 (U-shaped with soft hair, useful length 2 x 8 cm)	HN1790000	25

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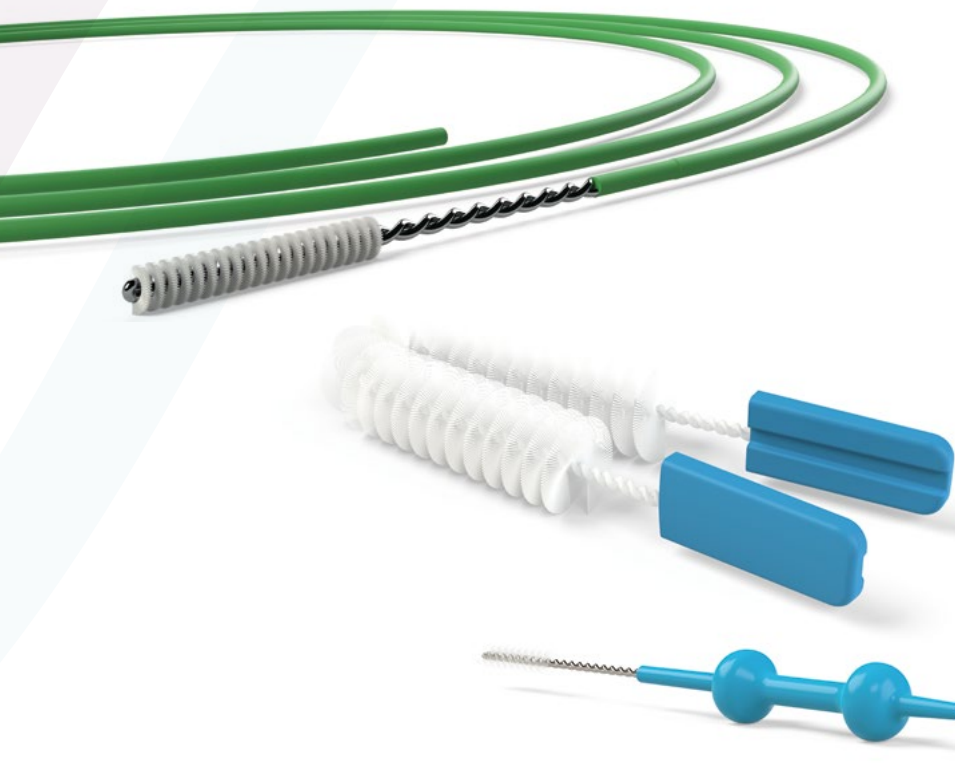
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PRINCE MEDICAL
 DEVICES

CLEANBRUSH® KIT-3

62

3-PART CLEANING SWAB KIT



The **CLEANBRUSH® KIT-3** swab kits are intended for cleaning the working channels, valves and valve cages of flexible endoscopes.

They are suitable for use with the main gastroscopes, colonoscopes, duodenoscopes, enteroscopes, bronchoscopes, cystoscopes, ureteroscopes, nephroscopes, hysteroscopes and naso-laryngoscopes on the market.

KIT COMPONENTS (SEE THE TABLE FOR THE DETAILED COMPONENTS BY REFERENCE)

- **CLEANBRUSH® ENDO**: cleaning brush for working channel
- **CLEANBRUSH® ENDO** (HN1055002, HN1056523): cleaning brush for aspiration channel
- **CLEANBRUSH® ENDO** (HN1050123): cleaning brush for air/water channel, and/or Water Jet and/or balloon inflation channel
- **CLEANBRUSH® PISTON**: cleaning brush for valves, valve cages
- **CLEANBRUSH® EXO-B**: brush for external cleaning

ABOUT THIS MEDICAL DEVICE

1 st release date	1999
Single use	Yes
Class	I
Sterile	No (ethylene oxide decontamination)
Contains latex	No
Lifetime	5 years
Certification	CE
Packaging	Box of 25 or 50 units depending on product reference
Storage	In its original box in a cool and dry place

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CLEANBRUSH® KIT-3

AVAILABLE REFERENCE(S)

REFERENCES FOR CLEANING BRUSHES

OTHER KIT COMPONENTS

63

Kit reference	For working channel	For aspiration channel	For valves	For air/water channel, water jet, balloon inflation channel	External cleaning brush	Packaging
HN1883018	HN1053018 (with 1 brush Ø 3 mm L180 cm)			HN1050123 (with 1 brush Ø 1.8 mm L230 cm)		50
HN1885023	HN1055023 (with 1 brush Ø 5 mm L230 cm)					
HN1886523	HN1056523 (with 1 brush Ø 6.5 mm L230 cm)					
HN1893018	HN1063018 (with 2 brushes Ø 3 mm L180 cm)					
HN1895023	HN1065023 (with 2 brushes Ø 5 mm L230 cm)					
HN1896523	HN1066523 (with 2 brushes Ø 6.5 mm L230 cm)					
HN2770110	HN1050110 (with 1 brush Ø 1.8 mm L100 cm)	HN1055002 (with 1 brush Ø 5 mm, L20 cm)				50
HN2780110	HN1060110 (with 2 brushes Ø 1.8 mm L100 cm)					
HN2183010	HN1053010 (with 1 brush Ø 3 mm L100 cm)					
HN2183018	HN1053018 (with 1 brush Ø 3 mm L180 cm)					
HN2193010	HN1063010 (with 2 brushes Ø 3 mm L100 cm)					
HN2193018	HN1063018 (with 2 brushes Ø 3 mm L180 cm)					
HN2953018	HN1053018 (with 1 brush Ø 3 mm L180 cm)	HN1055023 (with 1 brush Ø 5 mm, L230 cm)	HN1061110 (with 2 brushes Ø 11 & 5 mm, L15.5 cm)			25
HN2963018	HN1063018 (with 2 brushes Ø 3 mm L180 cm)					
HN4475018	HN1055018 (with 1 brush Ø 5 mm L180 cm)					
HN4475023	HN1055023 (with 1 brush Ø 5 mm L230 cm)					
HN4495018	HN1065018 (with 2 brushes Ø 5 mm L180 cm)					
HN4495023	HN1065023 (with 2 brushes Ø 5 mm L230 cm)					
HN2520110	HN1050110 (with 1 brush Ø 1.8 mm L100 cm)	HN1056523 (with 1 brush Ø 6.5 mm, L230 cm)			HN2580000 (U-shaped with soft hair, useful length 2 x 8 cm)	25
HN2523007	HN1053007 (with 1 brush Ø 3 mm L75 cm)					
HN2523010	HN1053010 (with 1 brush Ø 3 mm L100 cm)					
HN2523018	HN1053018 (with 1 brush Ø 3 mm L180 cm)					
HN2525010	HN1055010 (with 1 brush Ø 5 mm L100 cm)					
HN2525023	HN1055023 (with 1 brush Ø 5 mm L230 cm)					
HN2525030	HN1055030 (with 1 brush Ø 5 mm L300 cm)					
HN2530110	HN1060110 (with 2 brushes Ø 1.8 mm L100 cm)					
HN2533010	HN1063010 (with 2 brushes Ø 3 mm L100 cm)					
HN2533018	HN1063018 (with 2 brushes Ø 3 mm L180 cm)					
HN2535010	HN1065010 (with 2 brushes Ø 5 mm L100 cm)					
HN2535023	HN1065023 (with 2 brushes Ø 5 mm L230 cm)					
HN2535030	HN1065030 (with 2 brushes Ø 5 mm L300 cm)					

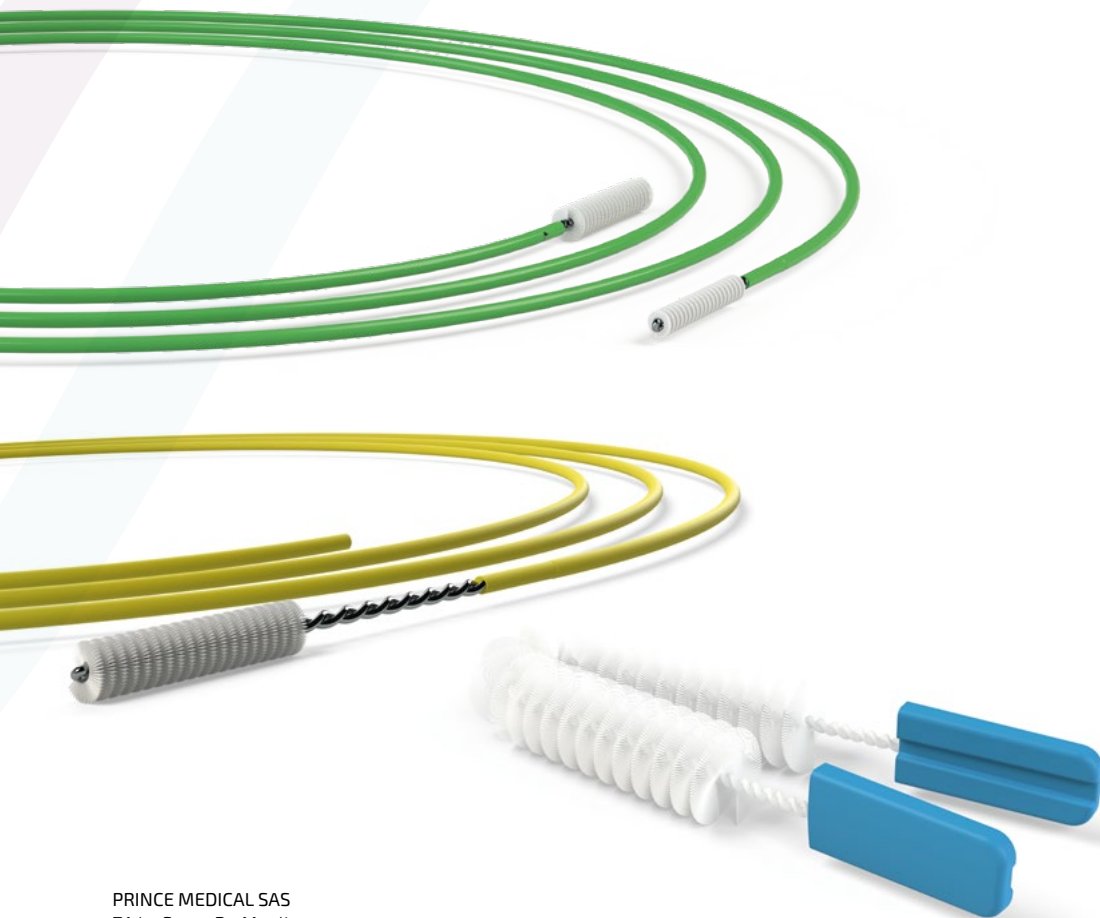
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CLEANBRUSH® KIT-4, KIT-5

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CLEANING SWAB KIT – 4 OR 5 PARTS



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PRINCE MEDICAL
 DEVICES

The **CLEANBRUSH® KIT-4, KIT-5** swab kits are intended for cleaning the working channels, valves and valve cages of flexible endoscopes.

They are suitable for use with the main gastroscopes, colonoscopes, duodenoscopes, enteroscopes, bronchoscopes, cystoscopes, ureteroscopes, nephroscopes, hysteroscopes and naso-laryngoscopes on the market.

KIT COMPONENTS (SEE THE TABLE FOR THE DETAILED COMPONENTS BY REFERENCE)

- **CLEANBRUSH® ENDO**: cleaning brush for working channel
- **CLEANBRUSH® ENDO** (HN1055002, HN1055023, HN1056523): cleaning brush for the aspiration channel
- **CLEANBRUSH® ENDO** (HN1050123, HN1050138): cleaning brush for air/water channel, and/or Water Jet and/or balloon inflation channel
- **CLEANBRUSH® PISTON**: cleaning brush for valves, valve cages
- **CLEANBRUSH® EXO-B**: brush for external cleaning

ABOUT THIS MEDICAL DEVICE

1 st release date	1999
Single use	Yes
Class	I
Sterile	No (ethylene oxide decontamination)
Contains latex	No
Lifetime	5 years
Certification	CE
Packaging	Box of 25 or 50 units depending on product reference
Storage	In its original box in a cool and dry place



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CLEANBRUSH® KIT-4, KIT-5

AVAILABLE REFERENCE(S)

> KIT with 4 parts

REFERENCES FOR CLEANING BRUSHES					OTHER KIT COMPONENTS	
Kit reference	For working channel	For aspiration channel	For valves	For air/water channel, water jet, balloon inflation channel	External cleaning brush	Packaging
HN1903018	HN1053018 (with 1 brush Ø 3 mm L180 cm)	HN1055023 (with 1 brush Ø 5 mm L230 cm)		HN1050123 (with 1 brush Ø 1.8 mm L230 cm)		50
HN1983018	HN1063018 (with 2 brushes Ø 3 mm L180 cm)	HN1056523 (with 1 brush Ø 6.5 mm L230 cm)				
HN4535018	HN1065018 (with 2 brushes Ø 5 mm L180 cm)	HN1055002 (with 1 brush Ø 5 mm L20 cm)				
HN2543010	HN1053010 (with 1 brush Ø 3 mm L100 cm)	HN1061110 (with 2 brushes Ø 11 & 5 mm, L15.5 cm)				
HN2553010	HN1063010 (with 2 brushes Ø 3 mm L100 cm)				HN2580000 (U-shaped with soft hair, useful length 2 x 8 cm)	25
HN4505023	HN1055023 (with 1 brush Ø 5 mm L230 cm)					
HN4515023	HN1065023 (with 2 brushes Ø 5 mm L230 cm)					
HN4505018	HN1055018 (with 1 brush Ø 5 mm L180 cm)					
HN4515018	HN1065018 (with 2 brushes Ø 5 mm L180 cm)					
HN2543018	HN1053018 (with 1 brush Ø 3 mm L180 cm)					
HN2545023	HN1055023 (with 1 brush Ø 5 mm L230 cm)					
HN3335023	HN1065023 (with 2 brushes Ø 5 mm L230 cm)					
HN2995023	HN1055023 (with 1 brush Ø 5 mm L230 cm)					

AVAILABLE REFERENCE(S)

> KIT with 5 parts

REFERENCES FOR CLEANING BRUSHES					OTHER KIT COMPONENTS	
Kit reference	For working channel	For aspiration channel	For valves	For air/water channel, water jet, balloon inflation channel	External cleaning brush	Packaging
HN4545018	HN1055018 (with 1 brush Ø 5 mm L180 cm)	HN1056523 (with 1 brush Ø 6.5 mm L230 cm)	HN1061110 (with 2 brushes Ø 11 & 5 mm, L15.5 cm)	HN1050123 (with 1 brush Ø 1.8 mm L230 cm)	HN2580000 (U-shaped with soft hair, useful length 2 x 8 cm)	25
HN4555018	HN1065018 (with 2 brushes Ø 5 mm L180 cm)					

CLEANBRUSH® TRACH

66

BRUSH FOR TRACHEAL CANNULA



The CLEANBRUSH® TRACH tracheal cannula brushes are intended for cleaning tracheostomy cannulas.

AVAILABLE REFERENCE(S)

Reference	Brush diameter (mm)	Sheath diameter (mm)	Length (cm)	Packaging
AS2201002	10	3.3	23	25
AS2201402	14	3.3	23	25
AS2201802	18	3.3	23	20



ABOUT THIS MEDICAL DEVICE

1 st release date	2007
Single use	Yes
Class	Is
Sterile	Yes
Sterilisation method	Ethylene oxide sterilisation
Contains latex	No
Lifetime	5 years
Certification	CE
Packaging	Box of 20 or 25 units in sterile wrapping depending on product reference
Storage	In its original box in a cool and dry place

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PRINCE MEDICAL
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NOTES

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and extend across the width of the page. In the top-left corner, there is a decorative element consisting of overlapping diagonal stripes in shades of light blue and grey. Similarly, in the bottom-right corner, there are overlapping diagonal stripes in shades of light purple and grey. The central area of the page is completely blank, providing space for writing or drawing.

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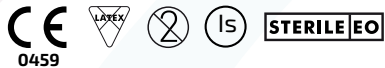
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ENDOLINE® CYTO-BRUSH

36

CYTOLOGY BRUSH



The **ENDOLINE® CYTO-BRUSH** cytology brush enables cytological samples to be taken from the mucous membranes of the digestive tract, bronchial tubes and bile ducts for the diagnosis of pathologies such as infectious diseases or cancer.

ADVANTAGES

- Handle with thumb ring for easy manipulation.
- Radiopaque distal part for perfect visibility.
- Includes scissors (depending on product reference).
- Product compatible for use with the main endoscopes on the market.

ADDITIONAL ACCESSORIES

Scissors to cut the brush at the end of the examination and place it in a storage bottle for transport to the test lab.

The references concerned: AS3673022, AS3673016, AS3672512, AS3672522



ABOUT THIS MEDICAL DEVICE

1 st release date	1996
Single use	Yes
Class	Is
Sterile	Yes
Sterilisation method	Ethylene oxide sterilisation
Contains latex	No
Lifetime	5 years
Certification	CE
Packaging	Box of 5 units in individual sterile wrapping
Storage	In its original box in a cool and dry place

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PRINCE MEDICAL
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ENDOLINE® CYTO-BRUSH

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WITHOUT ACCESSORIES

Reference (cm)	Sheath length (mm)	Sheath diameter (mm)	Brush diameter
AS0373022	220	2.35	3
AS0373016	160	2.35	3
AS0372512	120	1.75	2.5
AS0372522	220	1.75	2.5

WITH ACCESSORIES
(SCISSORS)

AS3673022	220	2.35	3
AS3673016	160	2.35	3
AS3672512	120	1.75	2.5
AS3672522	220	1.75	2.5

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PRINCE MEDICAL
 DEVICES

ATTESTATION CE / EC CERTIFICATE

Approbation du Système d'assurance Qualité de la Production (limitée à l'obtention et au maintien de l'état stérile)

Approval of Production Quality Assurance System (related to securing and maintaining sterile conditions)

ANNEXE V point 3 Directive 93/42/CEE relative aux dispositifs médicaux

ANNEX V section 3 DIRECTIVE 93/42/EEC concerning medical devices

Fabricant / Manufacturer

PRINCE MEDICAL
ZA La Sente du Moulin
60530 ERCUIS FRANCE

Catégorie du(des) dispositif(s) / Device(s) category

**Dispositifs médicaux stériles pour l'urologie, la gastro-entérologie,
la gynécologie, la pneumologie et l'endoscopie.**

*Sterile medical devices for the urology, the entero-gastrology,
the gynecology, the pneumology and the endoscopy.*

Voir document complémentaire GMED / See GMED additional document

n° 37804

GMED atteste qu'à l'examen des résultats figurant dans le rapport référencé P601023 - P601501, le système d'assurance qualité - pour l'obtention et le maintien de l'état stérile - des dispositifs médicaux énumérés ci-dessus est conforme aux exigences de l'annexe V point 3 de la Directive 93/42/CEE.

GMED certifies that, on the basis of the results contained in the file referenced P601023 - P601501, the quality system - for the quality system for securing and maintaining sterile conditions - of medical devices listed here above complies with the requirements of the Directive 93/42/EEC, annex V section 3.

La validité du présent certificat est soumise à une vérification périodique ou imprévue

The validity of the certificate is subject to periodic or unexpected verification

Début de validité / Effective date : January 6th, 2021 (included)

Valable jusqu'au / Expiry date : May 26th, 2024 (included)


Signed by:
Béatrice LYS
EF83BDA9BAA04A3...

On behalf of the President
Béatrice LYS
Technical Director

ATTESTATION CE / EC CERTIFICATE

Approbation du Système Complet d'assurance Qualité/ Approval of full Quality Assurance System

ANNEXE II excluant le point 4 Directive 93/42/CEE relative aux dispositifs médicaux

ANNEX II excluding section 4 Directive 93/42/EEC concerning medical devices

Pour les dispositifs de classe III, un certificat CE de conception est requis

For class III devices, a EC design certificate is required

Fabricant / Manufacturer

PRINCE MEDICAL
ZA La Sente du Moulin
60530 ERCUIS FRANCE

Catégorie du(des) dispositif(s) / Device(s) category

Dispositifs médicaux stériles et non stériles pour l'urologie, la gastro-entérologie, la gynécologie, la pneumologie et l'endoscopie.

Sterile and non sterile medical devices for the urology, the entero-gastrology, the gynecology, the pneumology and the endoscopy.

Voir document complémentaire GMED / See GMED additional document

n° 37803

GMED atteste qu'à l'examen des résultats figurant dans le rapport référencé P601023 - P601501, le système d'assurance qualité - pour la conception, la production et le contrôle final - des dispositifs médicaux énumérés ci-dessus est conforme aux exigences de l'annexe II excluant le point 4 de la Directive 93/42/CEE.

GMED certifies that, on the basis of the results contained in the file referenced P601023 - P601501, the quality system - for design, manufacturing, and final inspection - of medical devices listed here above complies with the requirements of the Directive 93/42/EEC, annex II excluding section 4.

La validité du présent certificat est soumise à une vérification périodique ou imprévue

The validity of the certificate is subject to periodic or unexpected verification

Début de validité / Effective date : **January 6th, 2021 (included)**

Valable jusqu'au / Expiry date : **May 26th, 2024 (included)**

Signed by:

GMED SAS
GROUPE LNE
EF43BDA9BAA04A3...

On behalf of the President
Béatrice LYS
Technical Director

GMED certifie que le système de management de la qualité développé par
GMED certifies that the quality management system developed by

PRINCE MEDICAL
ZA La Sente du Moulin
60530 ERCUIS FRANCE

pour les activités
for the activities

Conception, fabrication et commercialisation de dispositifs médicaux stériles et non stériles pour différents domaines (Voir addendum). Validation et contrôle de routine de la stérilisation à l'oxyde d'éthylène de dispositifs médicaux selon l'ISO 11135 : 2014. Fabrication en sous-traitance de lignes externes, dans le domaine de la radiologie.

Design, manufacturing and sales of sterile and non sterile medical devices for various fields (See addendum). Validation and routine control of sterilization by ethylene oxide of medical devices according to ISO 11135 : 2014. Manufacturing in subcontracting of external lines in the field of the radiology.

réalisées sur le(s) site(s) de
performed on the location(s) of

PRINCE MEDICAL
Z.A. La Sente du Moulin 60530 ERCUIS FRA

est conforme aux exigences des normes internationales
complies with the requirements of the international standards

NF EN ISO 13485 : 2016

Début de validité / Effective date : December 31st, 2020 (included)

Valable jusqu'au / Expiry date : December 30th, 2023 (included)

Etabli le / Issued on : January 6th, 2021

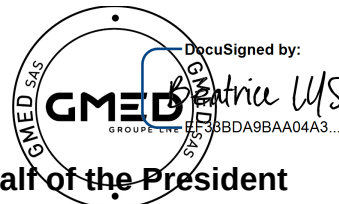


**CERTIFICATION
DE SYSTÈMES
DE MANAGEMENT**
Accréditation n°4-0608
Liste des sites accrédités
et portée disponible sur
www.cofrac.fr

GMED N° 10229-12

Ce certificat est délivré selon les règles de certification GMED / This certificate is issued according to the rules of GMED certification

Renouvelle le certificat 10229-11



On behalf of the President
Béatrice LYS
Technical Director

Ce certificat couvre les activités et le site suivant / This certificate covers the following activities and site:

Version française :

- Conception, fabrication et commercialisation de dispositifs médicaux stériles et non stériles dans les domaines de l'urologie, de la gastro-entérologie, de la pneumologie, de la gynécologie et de l'endoscopie.
- Validation et contrôle de routine de la stérilisation à l'oxyde d'éthylène de dispositifs médicaux selon l'ISO 11135 : 2014.
- Fabrication en sous-traitance de lignes externes, dans le domaine de la radiologie.

Version anglaise:

- Design, manufacturing and sales of sterile and non sterile medical devices in the fields of urology, gastro-enterology, pneumology, gynecology and endoscopy.
- Validation and routine control of sterilization by ethylene oxide of medical devices according to ISO 11135 : 2014.
- Manufacturing in subcontracting of external lines in the field of radiology.

1 site / 1 site

 Signed by:
Béatrice LYS
EF33BDA9BAA04A3...

**On behalf of the President
Béatrice LYS
Technical Director**