



German Medical Technology (Beijing) Co., Ltd.

Building 68A, No.16, Huan Ke Zhong Lu
Jinqiao Science & Technology Industrial Base
Zhongguancun Science Park Tongzhou Park
Tongzhou District, Beijing 101102, P.R. China

🌐 www.germanmedtech.com

✉ info@germanmedtech.com

☎ +86(10)56940198 - 225



GMT Medical Percutaneous Biopsy Series

The Leading Biopsy Company In China

GMT Soft Tissue Biopsy

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GMT Bone Marrow Biopsy

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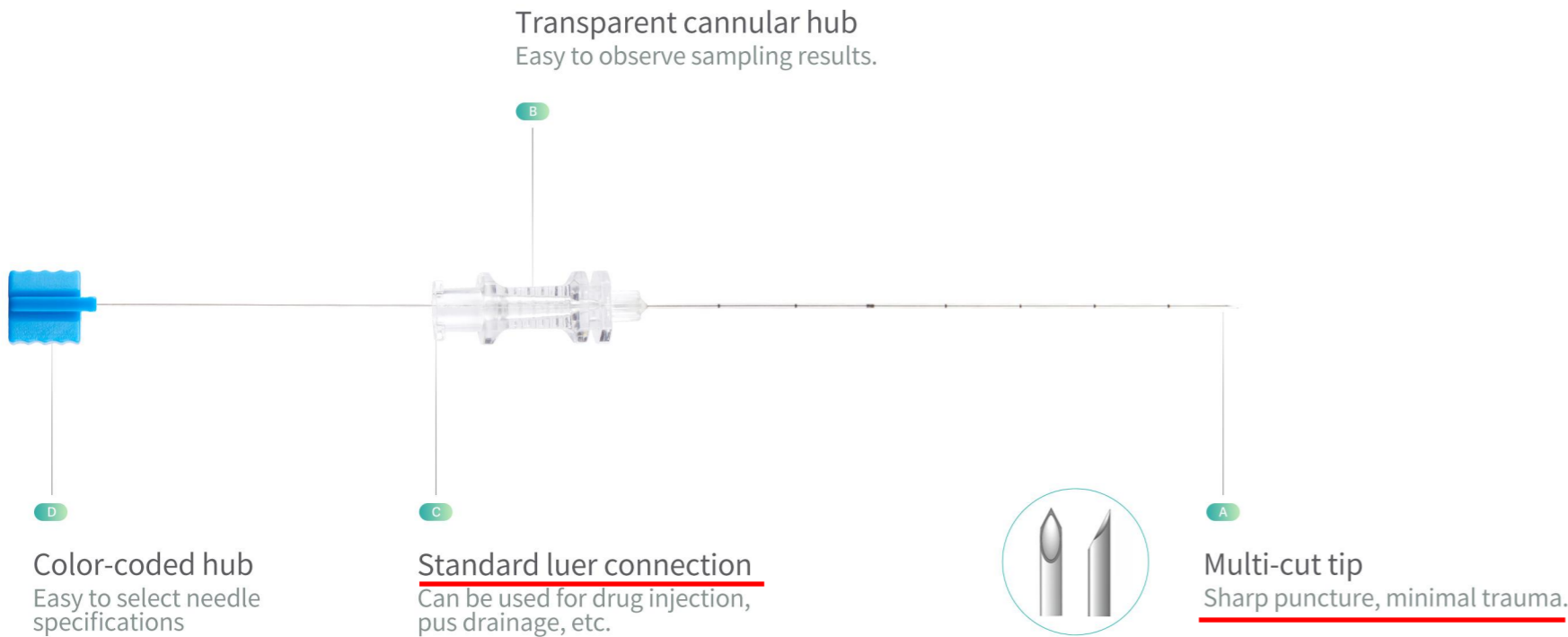
GMT Medical

GMT was established in 2007, which is a Sino-foreign joint venture company. As a leading brand in the field of biopsy in China, we take "developing, manufacturing, and marketing high-quality medical products to bring safe, professional, and comfortable experience to medical workers and patients" as our corporate mission, and take independent research and development and technological innovation as the core competitiveness of the enterprise.

GMT has always adhered to the core values of "quality, service, integrity, innovation", and has successively launched dozens of high-quality medical products, such as percutaneous biopsy series, breast minimally invasive diagnosis and treatment series, urological stent and catheter series, polypropylene patch series, etc. Among all products, the percutaneous biopsy series is the forerunner in the Chinese medical supply industry.

GA 1

Disposable Aspiration Biopsy Needle



✓ The Clinical Advantages of GA (compared to syringe)

1. Complete product specification: We are the first in China to introduce the 25G ultra-fine needle to the domestic market. For thyroid nodules with a rich blood supply, the thinner the needle, the lower the ratio of blood components to nodule cells in the specimen, significantly reducing interference with light microscopic interpretation.
2. Multi-cut tip: Provides a sharp puncture with minimal trauma.
3. Echogenic design: Enhances visibility under ultrasound and facilitates accurate depth placement.
4. Ergonomic handle: Ensures a firm grip and good control.
5. Coaxial needle structure: Prevents other cellular components on the puncture path from entering the needle lumen before the needle reaches the target nodule, thus avoiding contamination of the following sample and ensuring the accuracy of cytological diagnosis.

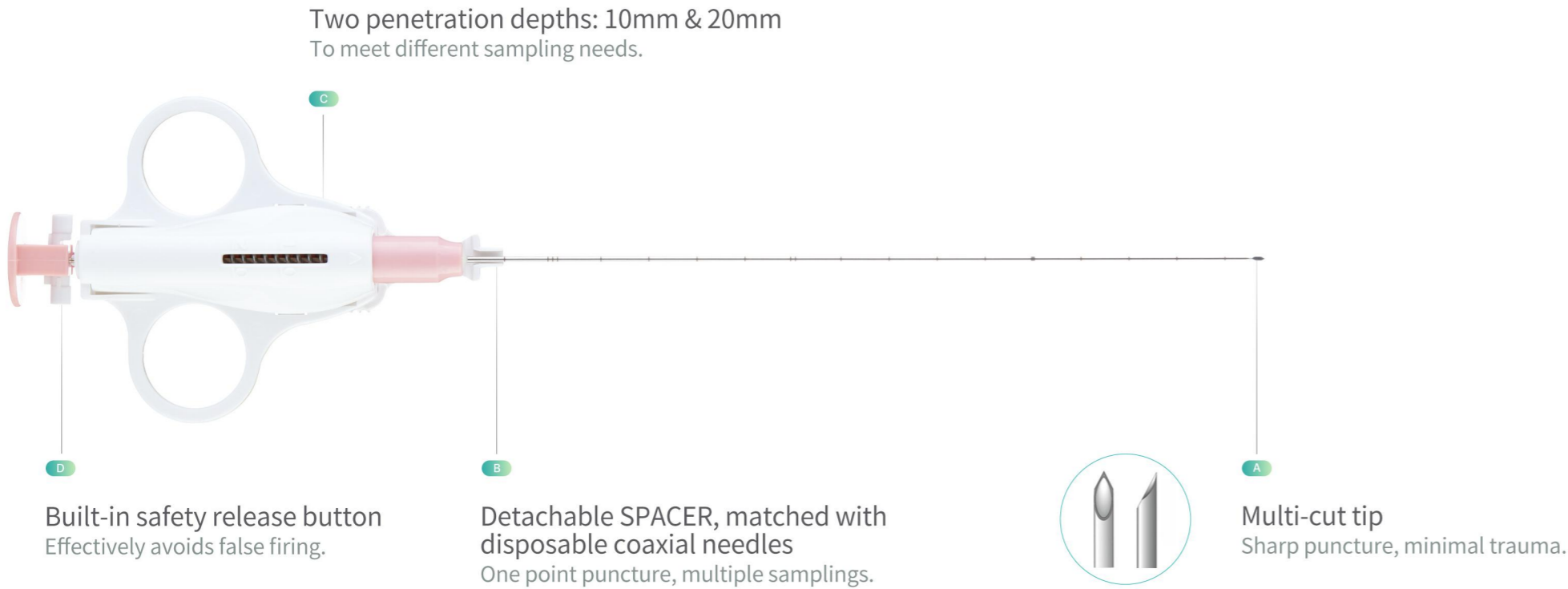
i Application Scope / Specification

Cytological aspiration biopsy, amniotic fluid/ cord blood aspiration biopsy, drug injection and sclerotherapy, cystic fluid aspiration therapy, etc.

| Gauge | Length 7cm | Length 9cm | Length 11cm | Length 15cm | Length 20cm |
|-------|------------|------------------|------------------|-------------|------------------|
| 18G | -- | <u>B-A301809</u> | <u>B-A301811</u> | B-A301815 | <u>B-A301820</u> |
| 20G | -- | <u>B-A302009</u> | <u>B-A302011</u> | B-A302015 | <u>B-A302020</u> |
| 21G | -- | B-A302109 | B-A302111 | B-A302115 | B-A302120 |
| 22G | -- | B-A302209 | B-A302211 | B-A302215 | B-A302220 |
| 23G | B-A302307 | B-A302309 | -- | -- | -- |
| 25G | -- | B-A302509 | -- | -- | -- |

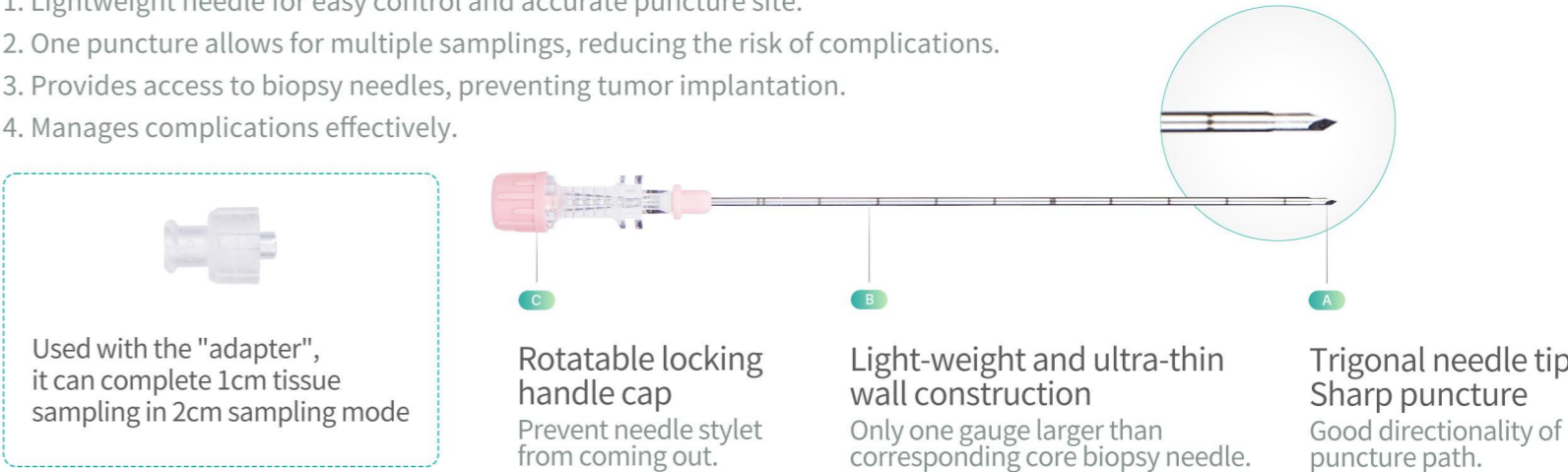
GT 20

Disposable Semi-Automatic Biopsy Needle



✔ Clinical Advantages of the GT 20 with Coaxial Needle for Puncture Biopsy

- 1. Lightweight needle for easy control and accurate puncture site.
- 2. One puncture allows for multiple samplings, reducing the risk of complications.
- 3. Provides access to biopsy needles, preventing tumor implantation.
- 4. Manages complications effectively.



i Application Scope / Specification

Lung biopsy, thyroid biopsy, superficial lymph nodes biopsy, liver biopsy, kidney biopsy etc.

| Gauge | Specification | Cannula length | Coaxial needle specification | Cannula Length |
|-------|---------------|----------------|------------------------------|----------------|
| 14G | B-T041410 | 10cm | B-T121305 | 05cm |
| | B-T041416 | 16cm | B-T121311 | 11cm |
| 16G | B-T041610 | 10cm | B-T121505 | 05cm |
| | B-T041616 | 16cm | B-T121511 | 11cm |
| | B-T041620 | 20cm | B-T121515 | 15cm |
| 18G | B-T041810 | 10cm | B-T121705 | 05cm |
| | B-T041816 | 16cm | B-T121711 | 11cm |
| | B-T041820 | 20cm | B-T121715 | 15cm |
| 20G | B-T042016 | 16cm | B-T121911 | 11cm |

GT400

Disposable Automatic Biopsy Needle

Ergonomic needle handle
Firm grip, safe and effortless puncture.

Left and right buttons for cocking
Large button area, one-hand operation, the same side as specimen notch to prevent samples falling off.

Built-in safety release button
Prevent false firing.

Two firing triggers, rear and side trigger
Suitable for different body parts and procedures.

Firing power is strong
Throw depth is 22mm, specimen notch is 18mm.

Operational Methods of GT400 Disposable Automatic Biopsy Needle

1. Cock the instrument
Press the button.
(order: left 1→right 2)

2. Puncture
Image-guided puncture to the edge of the lesion.

3. Unlock
Unlock the safety release button.

4. Fire
Choose the rear trigger or side trigger according to different needs and fire.

5. Get samples
Press the left button, and return the cannula.

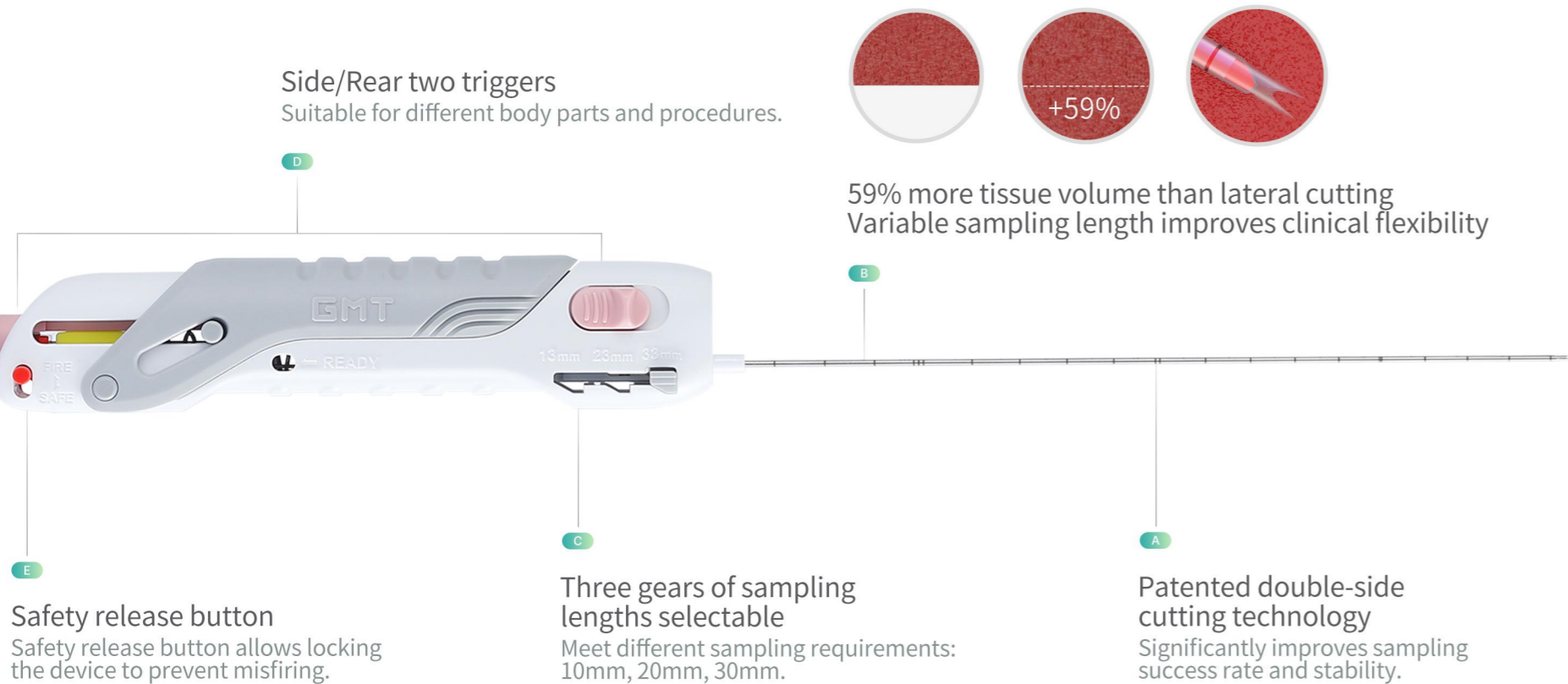
Application Scope / Specification

Breast biopsy, prostate biopsy, kidney biopsy, lung biopsy, liver biopsy etc.

| Gauge | Specification | Cannula length | Coaxial needle specification | Cannula length |
|-------|---------------|----------------|------------------------------|----------------|
| 14G | B-T211410 | 10cm | B-T121305 | 05cm |
| | B-T211416 | 16cm | B-T121311 | 11cm |
| | B-T211420 | 20cm | B-T121315 | 15cm |
| 16G | B-T211610 | 10cm | B-T121505 | 05cm |
| | B-T211616 | 16cm | B-T121511 | 11cm |
| | B-T211620 | 20cm | B-T121515 | 15cm |
| 18G | B-T211810 | 10cm | B-T121705 | 05cm |
| | B-T211816 | 16cm | B-T121711 | 11cm |
| | B-T211820 | 20cm | B-T121715 | 15cm |
| | B-T211825 | 25cm | B-T121720 | 20cm |
| 20G | B-T212010 | 10cm | B-T121905 | 05cm |
| | B-T212016 | 16cm | B-T121911 | 11cm |
| | B-T212020 | 20cm | B-T121915 | 15cm |

fu-Core

Disposable Full Core Biopsy Needle



✔ Operational Methods of fu-Core Disposable Full Core Biopsy Needle



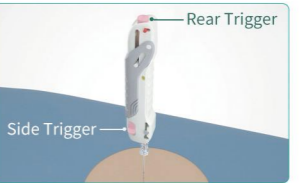
1. Cock the instrument
Pull up the white upper cover until you hear a "click" beep and press.



2. Choose biopsy length
According to the lesion, choose biopsy length, press and move the two sides' green stroke length adjuster together to the suitable gear.



3. Unlock
Penetrate the needle to the lesion area, unlock the safety release button.



4. Fire
Fire the needle by press rear trigger or side trigger according to requirement.



5. Get samples
Pull up the white upper cover, the tissue sample gradually exposes. The needle is ready again to fire.

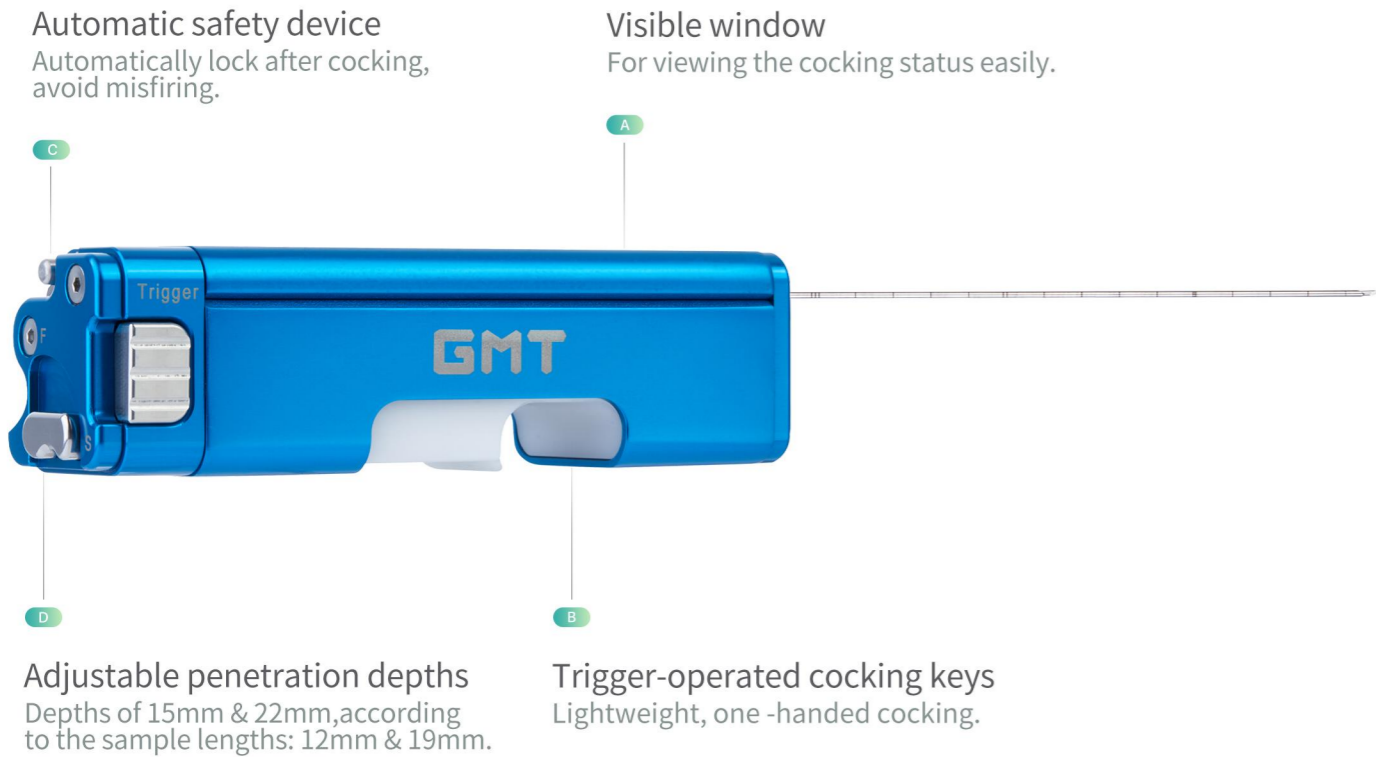
① Application scope / Specification

Lung biopsy, kidney biopsy, prostate biopsy, liver/pancreas biopsy, superficial lymph nodes biopsy and so on.

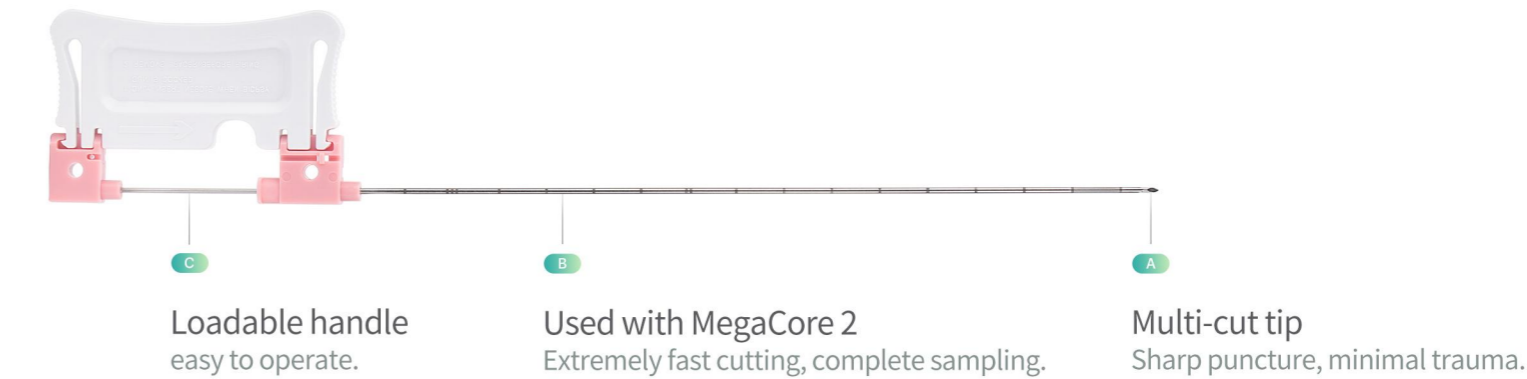
| Gauge | Specification | Cannula length |
|-------|---------------|----------------|
| 16G □ | B-F801610 | 13cm |
| | B-F801615 | 18cm |
| | B-F801620 | 23cm |
| 18G ■ | B-F801810 | 13cm |
| | B-F801815 | 18cm |
| | B-F801820 | 23cm |

MegaCore 2

Reusable Automatic Biopsy Instrument



✔ MC-MGN Disposable Biopsy Needle for Bard® Magnum® Automatic Biopsy Instrument



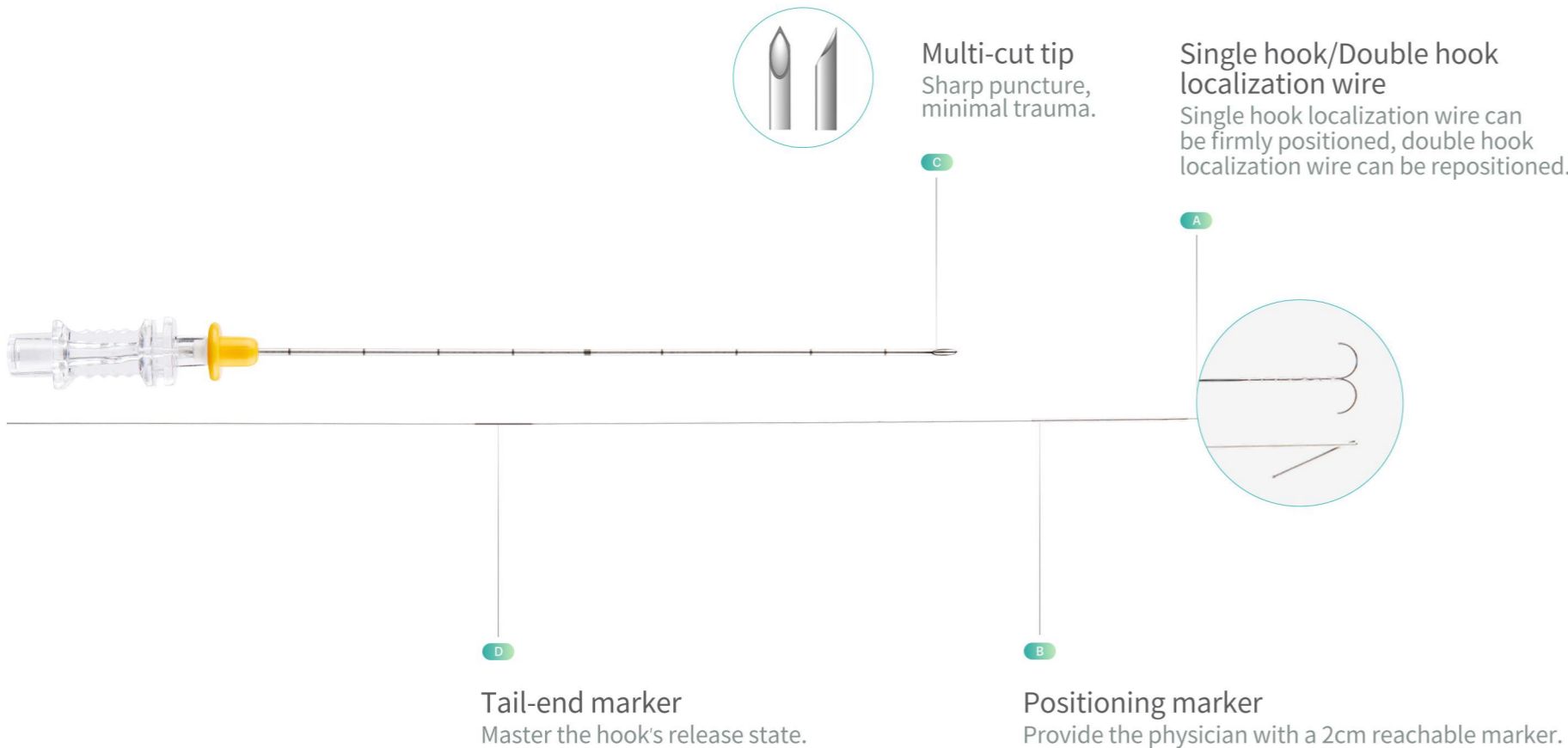
① Application scope / Specification

Suitable for percutaneous puncture biopsies of the breast, prostate, kidney, lung and liver.

| | | | | |
|---------------|---------------|-------------|-------------|-------------|
| MegaCore 2 | Specification | | | |
| | B-T271522 | | | |
| MC-MGN Needle | Length 10cm | Length 16cm | Length 20cm | Length 25cm |
| 14G | B-T101410 | B-T101416 | B-T101420 | -- |
| 16G | B-T101610 | B-T101616 | B-T101620 | -- |
| 18G | B-T101810 | B-T101816 | B-T101820 | B-T101825 |
| 20G | B-T102010 | B-T102016 | B-T102020 | -- |

Sure Anchor

Disposable Pre-operative Localization Needle



✔ Operational Methods of Sure Anchor Pre-Operative Localization Needle

- 1. Puncture**
Under imaging guidance, the localization needle is punctured into the lesion area, reaching the central part of the tissue. If the lesion tissue is hard, it is necessary to penetrate the lesion tissue.
- 2. Localization needle release**
One hand fixes the localization wire, while the other hand withdraws the needle handle. When the needle handle is retracted to completely cover the tail-end marker, it indicates that the hook is in the release state.

i Application Scope / Specification

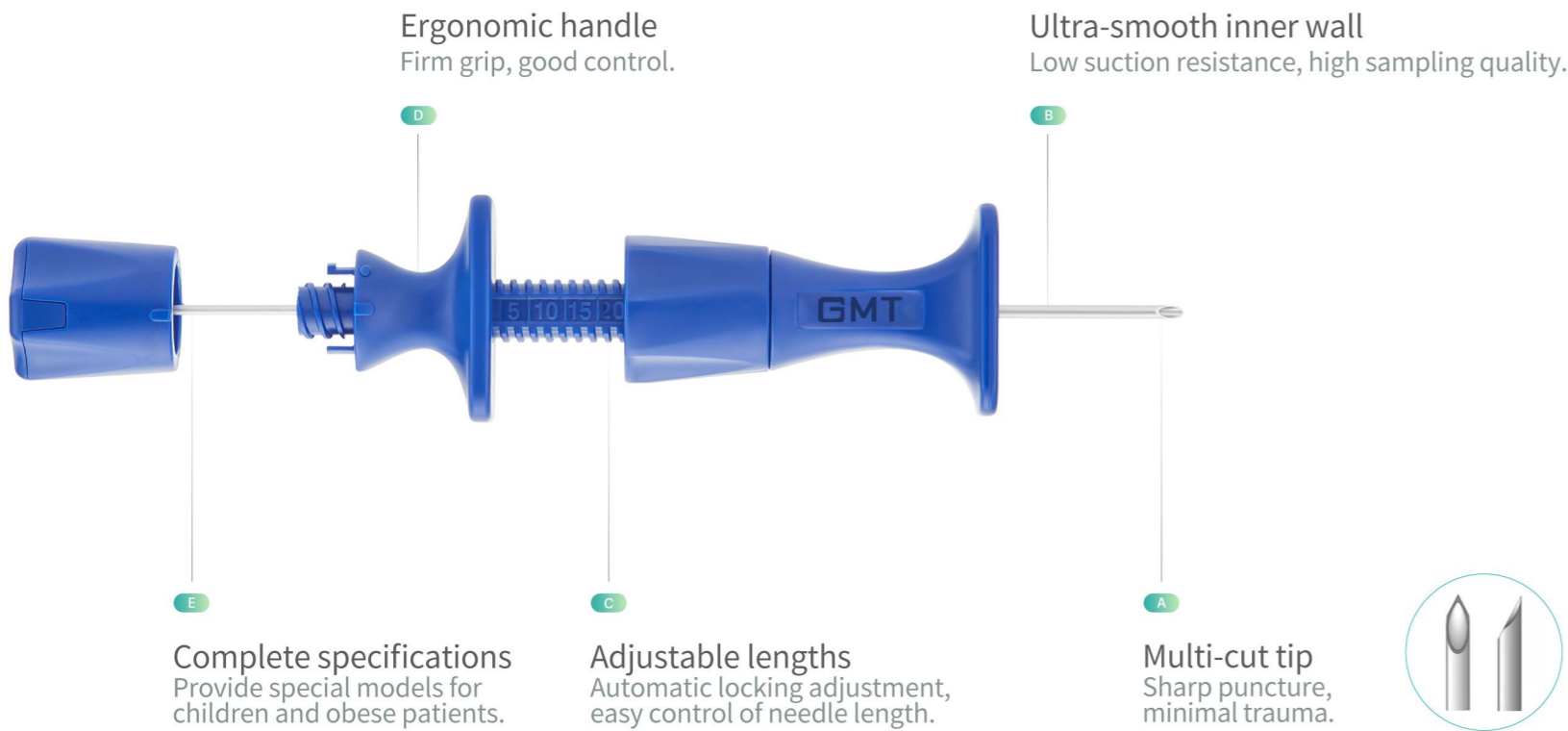
Pre-operative localization for breast biopsy, lung biopsy.

| Sure Anchor 1 | Specification | Cannula length |
|-------------------|---------------|----------------|
| 18G | B-L701807 | 07cm |
| | B-L701810 | 10cm |
| 20G | B-L702007 | 07cm |
| | B-L702010 | 10cm |
| | B-L702015 | 15cm |
| 21G | B-L702107 | 07cm |

| Sure Anchor 2 | Specification | Cannula length |
|-------------------|---------------|----------------|
| 18G | B-L721810 | 07cm |
| 20G | B-L722007 | 10cm |
| | B-L722010 | 10cm |

GB 70

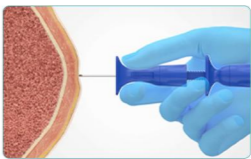
Disposable Bone Marrow Aspiration Needle



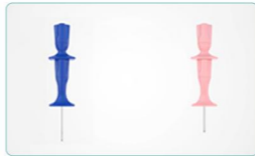
Operational Methods of GB 70 Disposable Bone Marrow Aspiration Needle



1. Pre-operative preparation
Choose a suitable puncture point and prepare the operation.



4. Puncture
Use the left hand to fix the puncture point, the right hand to hold the needle, use the needle tip to penetrate into the bone vertically, can rotate left and right.



2. Choose the right models
Adults AC15/04、 AC16/04, children AC18/03.



5. Collect bone marrow fluid
When the puncture resistance disappears and the puncture needle is fixed in the bone, pull out the needle stylet and attach a syringe to collect the bone marrow fluid.



3. Adjust the length of needle
Hold the needle body with the left hand, and rotate the spiral counterclockwise with the right hand to adjust the length of the needle.



6. Post-operative dressing
Re-insert the needle stylet, and pull out the needle from the body. Press the puncture point and fix it with pressure.

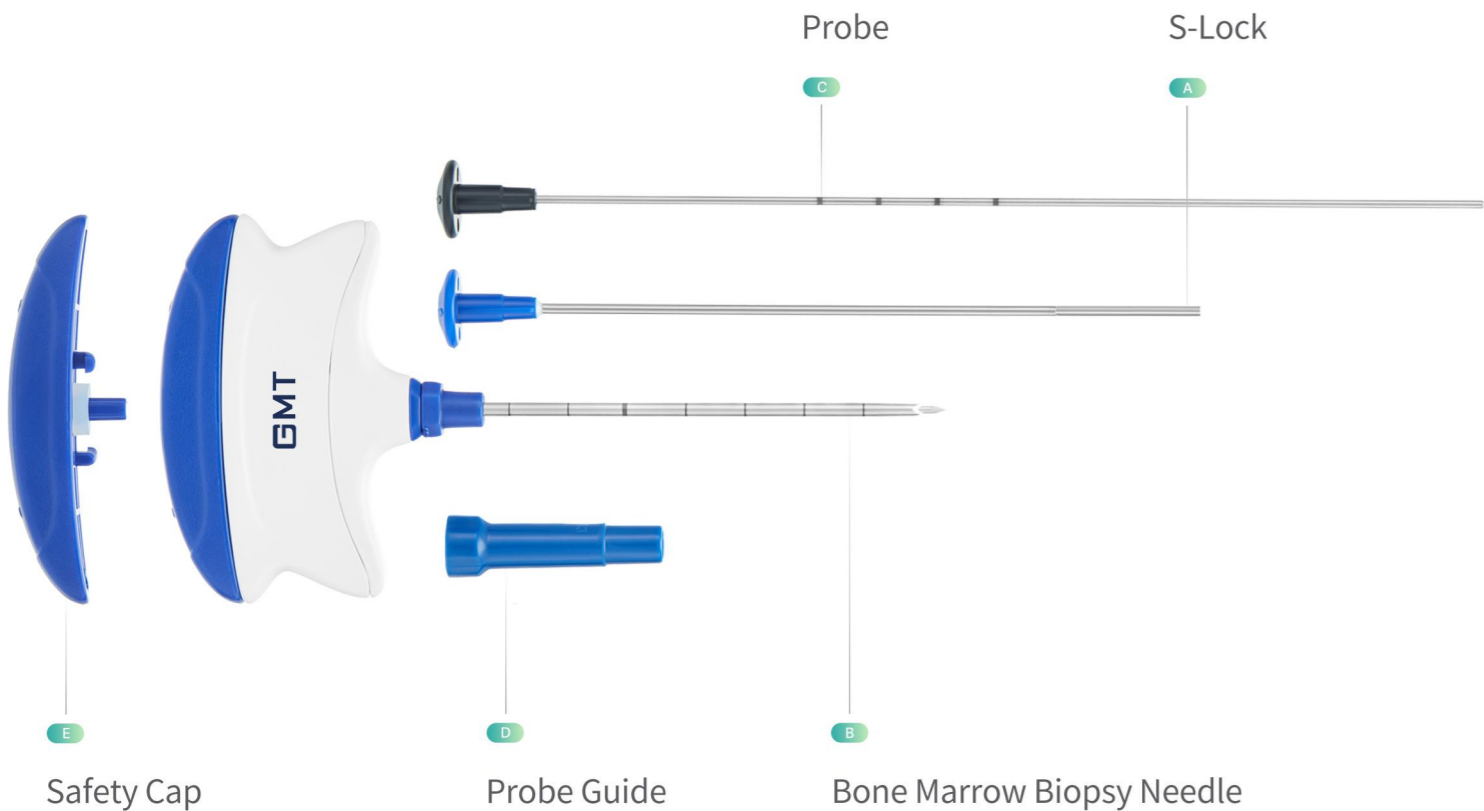
Application scope / Specification

Bone marrow biopsy (Cytology).

| Gauge | Specification | Length Original | Length Minimum | Length Maximum |
|-------|---------------|-----------------|----------------|----------------|
| 15G | B-B611528 | 2.8cm | 0.8cm | 4.5cm |
| | B-B611543 | 4.3cm | 2.3cm | 6.0cm |
| 16G | B-B611628 | 2.8cm | 0.8cm | 4.5cm |
| | B-B611643 | 4.3cm | 2.3cm | 6.0cm |
| 18G | B-B611828 | 2.8cm | 0.8cm | 4.5cm |
| | B-B611843 | 4.3cm | 2.3cm | 6.0cm |

GB 2

Disposable Bone Marrow Biopsy Needle



Operational Methods of GB 2 Disposable Bone Marrow Biopsy Needle



1. Pre-operative preparation
Choose a suitable puncture point and prepare the operation.



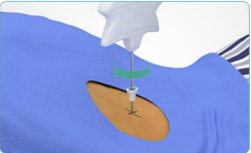
2. Choose the right models
B-B521307 for children, other models for adults.



3. Puncture
Puncture into the bone cortex, and continue down 0.5 cm.
(Ergonomic handle, firm grip, good control)



4. Change the safety cap
Rotate to remove the stylet, cap the safety cap to prevent contamination of the surgical field. Adjust the stopper 2cm from the body surface.








5. Continue to rotate and advance the needle
Rotate and advance in one direction up to the stopper, and use the probe to measure the sample length.



6. Get the sample
Insert the S-Lock extraction cannula and rotate it together with cannula with 360 degree. Pull out them together, and get the sample.

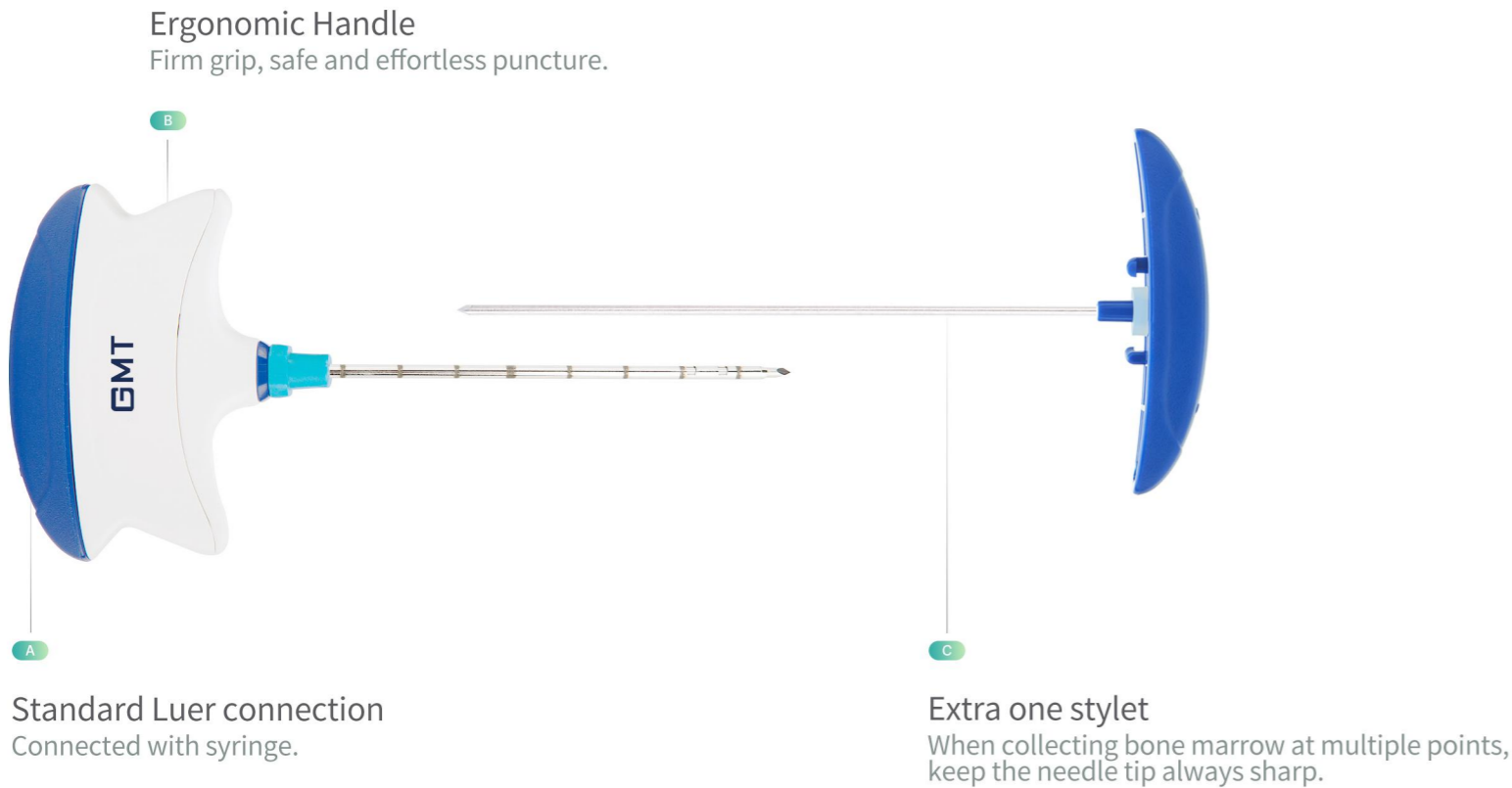
i Application scope / Specification

Bone marrow biopsy (Histology).

| Gauge | Length 7cm | Length 10cm | Length 15cm |
|---|------------|-------------|-------------|
| 7 G  | -- | B-B520710 | B-B520715 |
| 8 G  | -- | B-B520810 | B-B520815 |
| 9 G  | -- | B-B520910 | B-B520915 |
| 11G  | B-B521107 | B-B521110 | B-B521115 |
| 13G  | B-B521307 | B-B521310 | B-B521315 |

GB 11

Disposable Bone Marrow Transplantation Needle



✔ Technical Advantages of GB 11



The unique design of 5 side holes for collecting bone marrow (6 holes in total)
Simultaneous multi-directional, multi-level high-quality marrow extraction.
Effectively reduces the number of punctures and shortens the time for bone marrow collection.
Simplifies the clinical operation process and reduces patient pain.

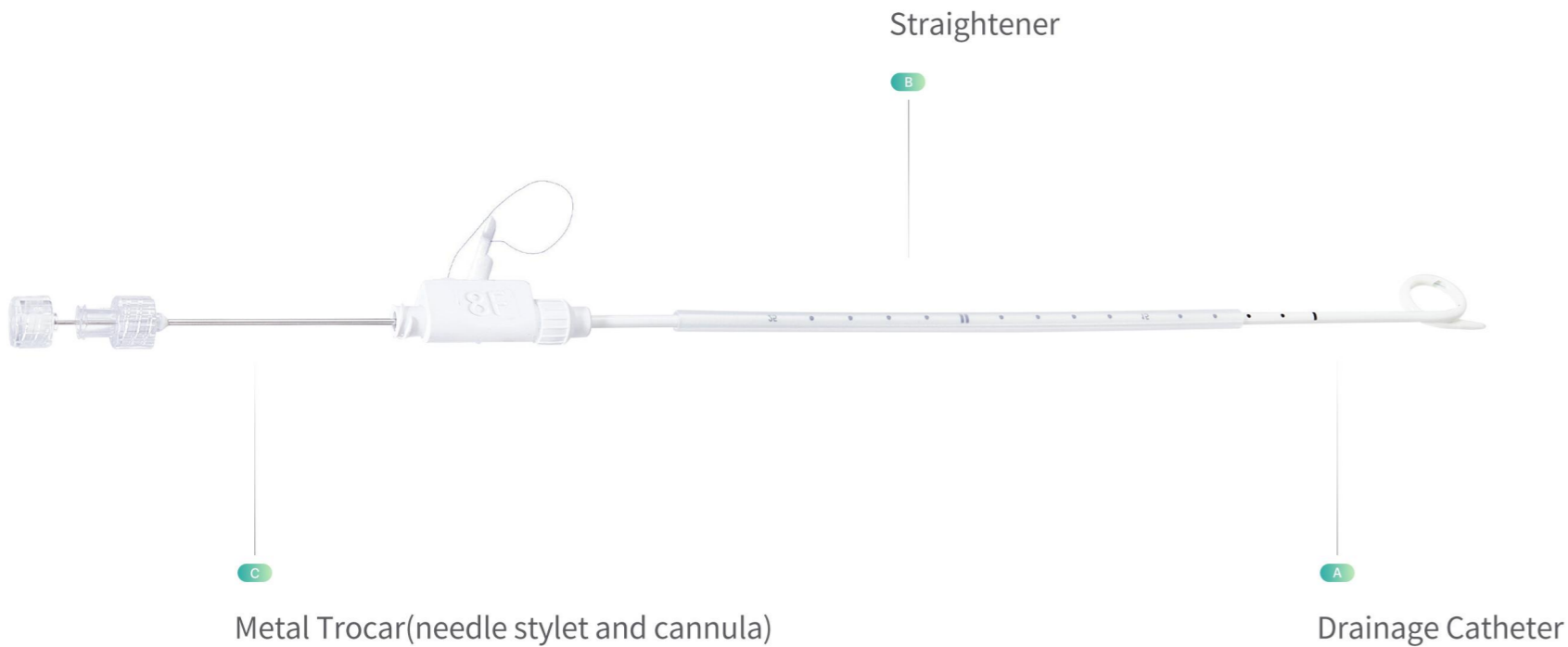
① Application scope / Specification

Bone marrow hematopoietic stem cell transplantation.

| Gauge | Specification | Cannula Length |
|-------|---------------|----------------|
| 11G □ | B-B511109 | 09cm |
| | B-B511113 | 13cm |
| 13G ■ | B-B511307 | 07cm |
| | B-B511311 | 11cm |
| 15G ■ | B-B511507 | 07cm |
| | B-B511511 | 11cm |

G-Flex

Drainage Catheter



✔ Features of Disposable Multifunctional Drainage Catheter

- 1. Hydrophilic coating with good biocompatibility, effectively reducing insertion resistance.
- 2. The insertion trocar and the drainage tube have a good fit, making it easy to puncture.
- 3. Large side hole design ensures remarkable drainage effect and reduces the risk of tube blockage.
- 4. Tapered head structure minimizes tissue damage and patient suffering.

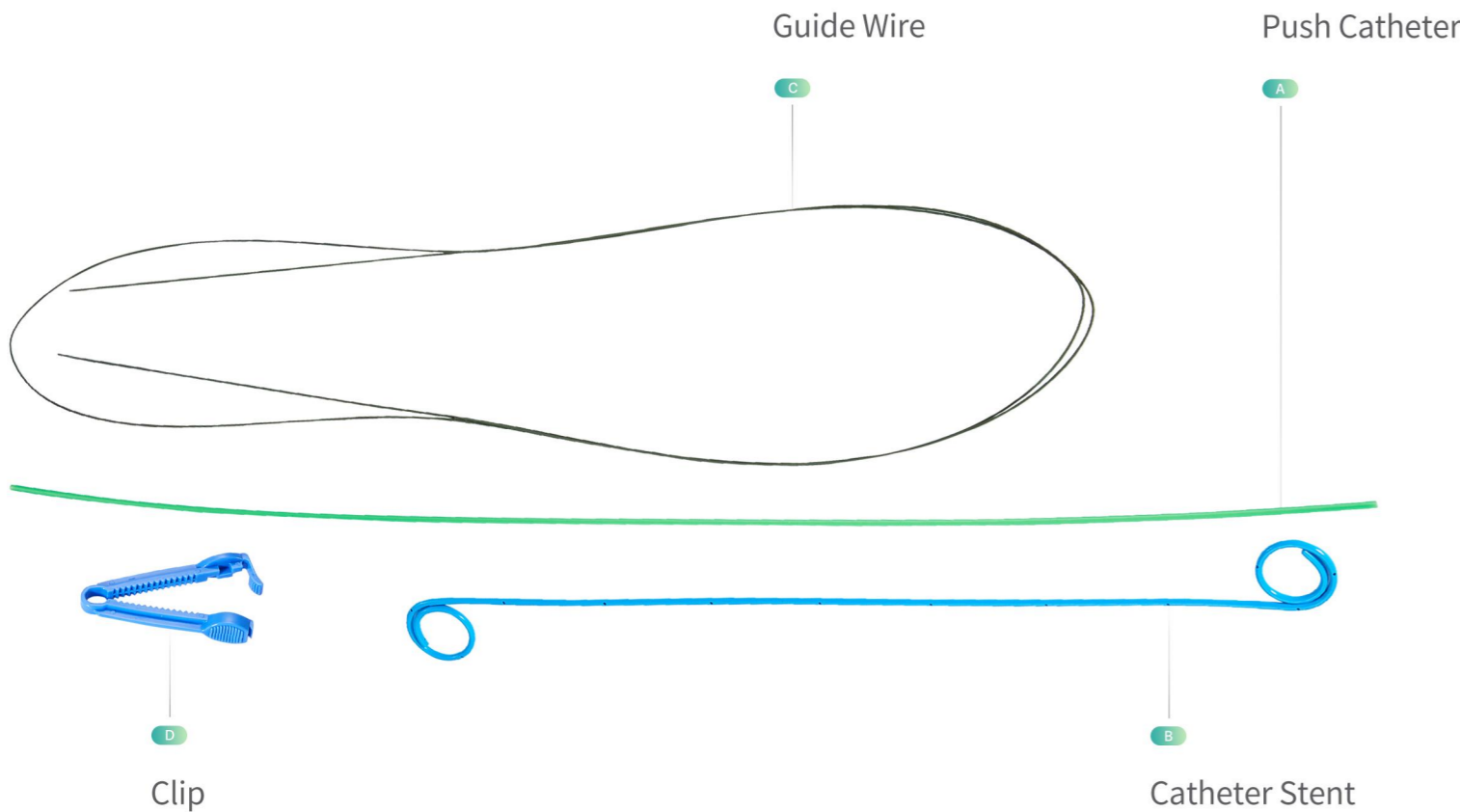
ⓘ Application scope / Specification

For percutaneous puncture drainage of fluid collection sites in the chest, bile vessel and kidneys.

| French | Specification | Cannula Length |
|--------|---------------|----------------|
| 6Fr | D-D00010630 | 30cm |
| 8Fr | D-D00010830 | 30cm |
| 10Fr | D-D00011030 | 30cm |
| 12Fr | D-D00011230 | 30cm |
| 14Fr | D-D00011430 | 30cm |
| 16Fr | D-D00011630 | 30cm |

Flexater

Ureteral Stents (Double Pigtail)



✔ Features of Double Pigtail Ureteral Stents

- 1. Polyurethane material. Good elasticity and bending resistance. Clear development under X-ray.
- 2. Hydrophilic coating. Reduce insertion resistance. Smooth surface. Reduces skin formation.
- 3. Proximal ureteral stent tube Tiemann tube head. Easier to insert.
- 4. One-and-a-half pigtail design. Prevent the ureteral stent from falling off.
- 5. Distal(bladder end)wire. Easy to reset and remove the bracket.

ⓘ Application scope / Specification

Ureteral obstruction, hydronephrosis, pus in the kidney caused by tumors, ureteral stenosis, etc.
Prevention and treatment of ureteral obstruction due to ureteral oedema, blood clots and lithotripsy after lithotripsy.
Ureteral injury and drainage after surgery.
Prior to ureteroscopy, a ureteral stent is pre-positioned to dilate the ureter and increase the success rate of access.

| French | Specification | Kits | Cannula Length |
|--------|---------------|-------|----------------|
| 4.7Fr | U-S020014728 | 2kits | 28cm |
| 4.7Fr | U-S020024728 | 4kits | 28cm |
| 6Fr | U-S020010628 | 2kits | 28cm |
| 6Fr | U-S020020628 | 4kits | 28cm |

MammCare II

Vacuum-assisted Breast Biopsy Equipment






Needle for Vacuum-assisted Breast Biopsy Equipment

D
Open organization collection tank

- Sample visualization
- Ordered sampling

A
Flat blade design

- Sharp puncture, easy to penetrate dense glandular tissue.
- The small cross-sectional area of the blade reduces tissue trauma and facilitates postoperative healing.
- Accurate and easy to control cutting direction, reducing needle resistance and accurately reaching the lesion location.


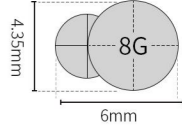


C
High hardness material tissue cutting knife

- Efficient rotary cutting to improve surgical efficiency.
- The length of the cutting groove is 21 mm, ensuring complete sampling.

B
Bidirectional negative pressure design

- Beneficial for tissue and blood separation, resulting in pure specimens that aid in pathological analysis.
- Stable negative pressure effectively reduces the occurrence of hematomas.



Application scope / Specification

Diagnosis of breast lesions and treatment of benign lesions.

| Gauge | Needle diameter | Needle length |
|-------|-----------------|---------------|
| 8G | 4.35mm | 90mm |
| 8G | 4.35mm | 125mm |
| 8G | 4.35mm | 150mm |