

## How to use



**1** 


After confirming that the stylet is properly set in the outer needle handle, firmly grasp the outer needle handle and insert the needle into the bone marrow cavity. (A decrease in resistance confirms that the needle has entered the bone marrow cavity.)

**2** 


After insertion into the bone marrow cavity, pull the stylet straight out.

**3** 


While rotating the outer needle handle half a turn alternately to the left and right, the outer needle is puncturing deeper little by little, and tissue is taken into the outer needle.

**4** 


The stick (pink) is dropped into the outer needle and advanced to the point where it hits the tip of the incorporated tissue to check the length of the harvested tissue. **Note: Do not press down on the stick too hard.**

**5** 


After confirming the length of the tissue, the stick is removed and the SURELOCK (white) is inserted completely to the root of the outer needle handle. **Note: To prevent tissue damage, do not rotate the SURELOCK.**

**6** 

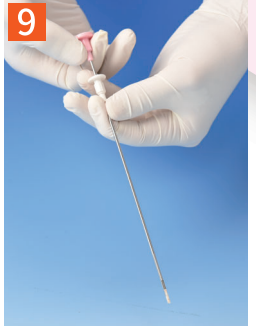
With the SURELOCK inserted, rotate the outer needle handle 360 degrees to cut the tissue. **Note: Be sure to rotate the outer needle handle and SURELOCK together.**

**7** 

Remove the outer needle from the puncture site while slowly rotating the outer needle handle half a turn, alternating left and right.

**8** 

Remove the SURELOCK from the outer needle. **Note: At this time, since the SURELOCK is firmly attached to the outer needle, pull it out with force.**

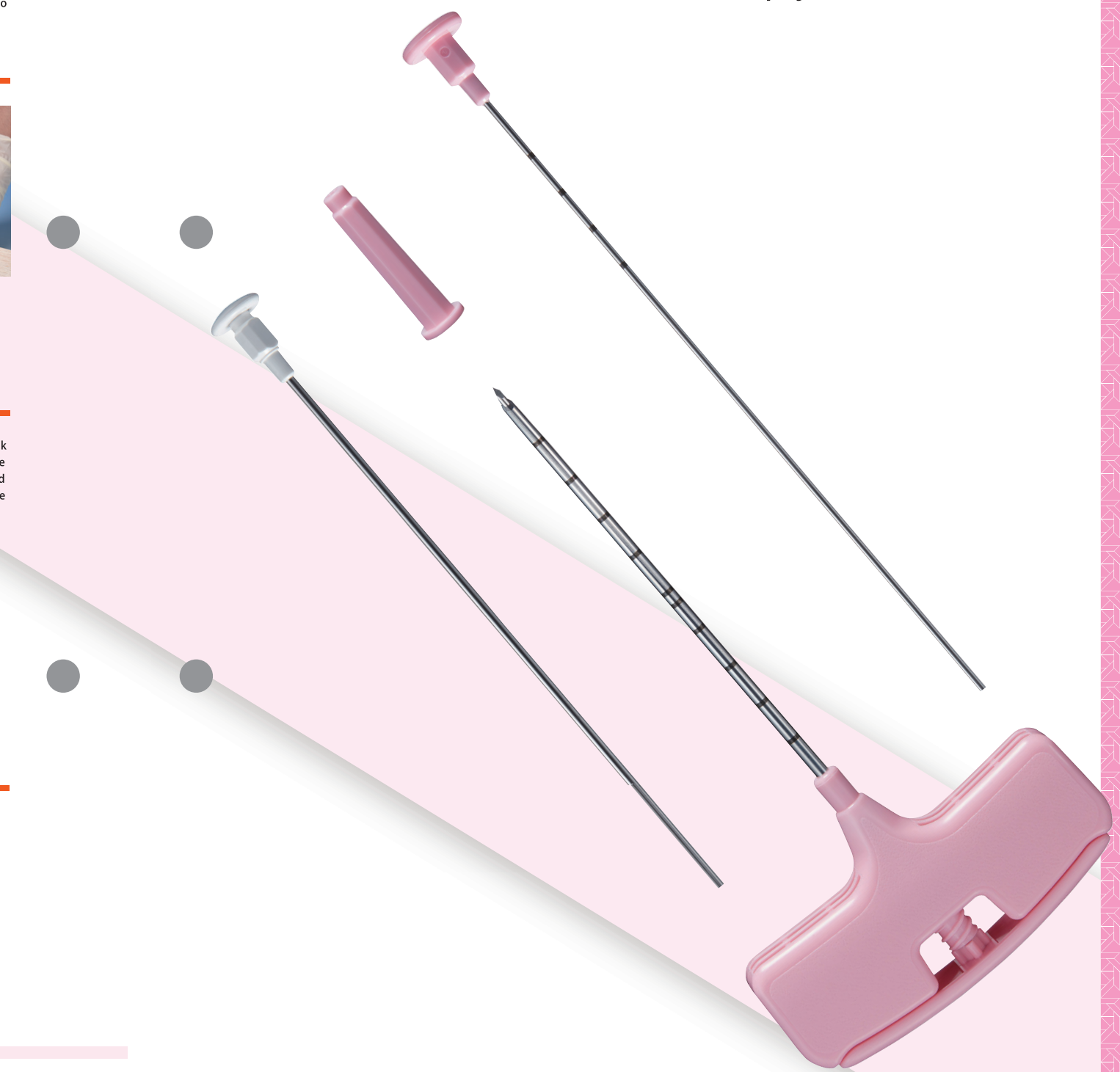
**9** 

Insert the stick (pink) into the SURELOCK and push the tissue out.

## Product standard

Size		Product code
Gauge	Length	
8G	100mm	BTS-08100
	150mm	BTS-08150
11G	100mm	BTS-11100
	150mm	BTS-11150
13G	65mm	BTS-13065
	100mm	BTS-13100

Gamma sterilization 10 pcs/box **CE** 0123



# SURELOCK

Bone marrow biopsy needle SURELOCK

**TSK** TSK Laboratory, Japan

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Quality, All the way, Always, That's TSK.

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# SURELOCK

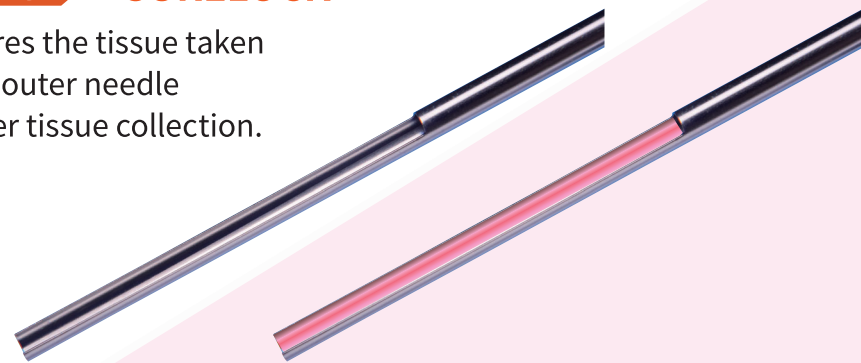
## Bone marrow biopsy needle SURELOCK

The bone marrow biopsy needle SURELOCK is a product that has improved tissue collection compared to conventional bone marrow biopsy methods by using a special pipe that is unique to TSK.

Since there is no need to move the needle from side to side and back and forth inside the body, the wound is minimized and the burden on the patient and practitioner is reduced.

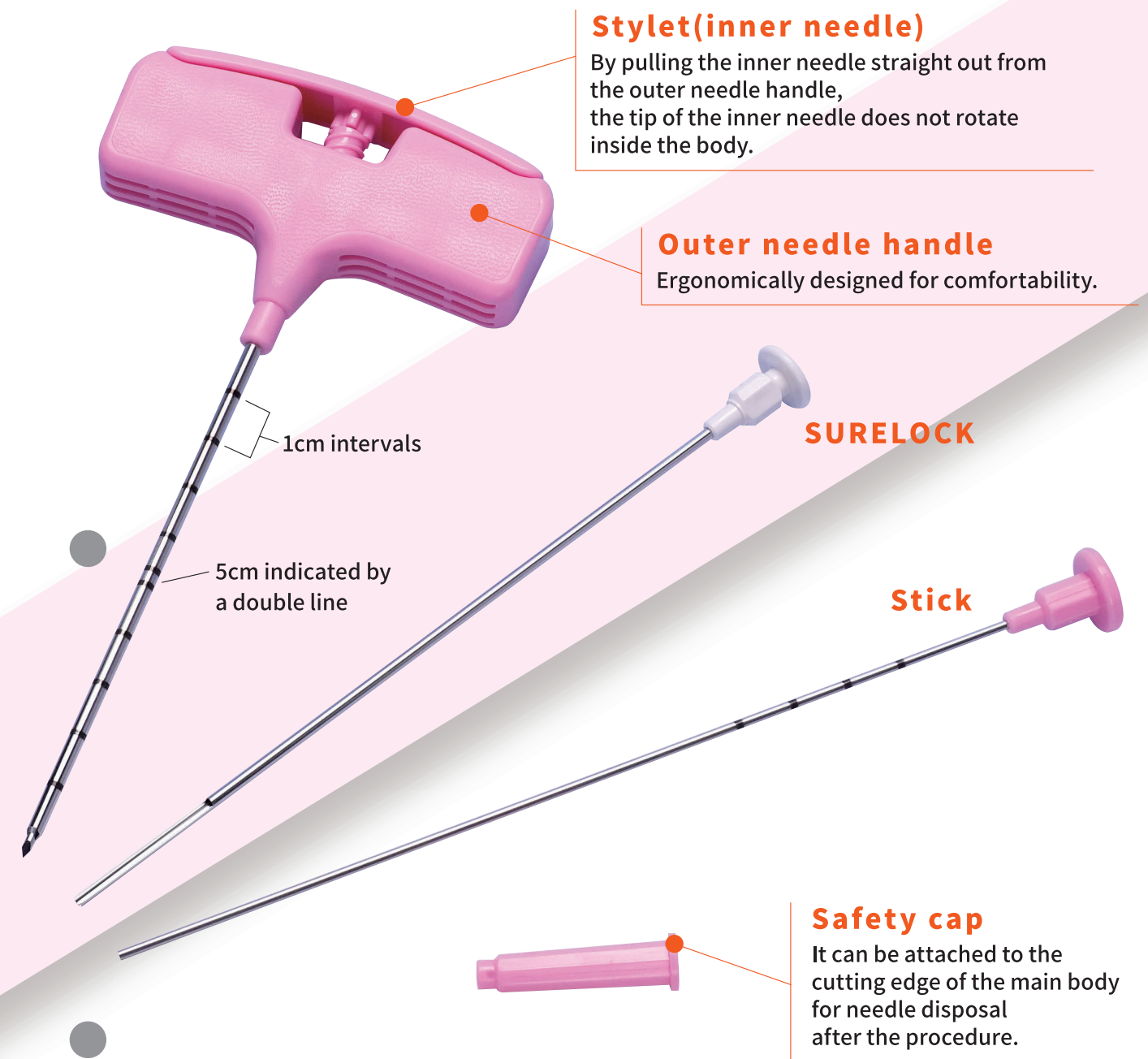
### Advantage **SURELOCK**

It captures the tissue taken into the outer needle for better tissue collection.



### Bone marrow aspiration

Attach a syringe and bone marrow aspiration is also possible.



### Stylet(inner needle)

By pulling the inner needle straight out from the outer needle handle, the tip of the inner needle does not rotate inside the body.

### Outer needle handle

Ergonomically designed for comfortability.

### SURELOCK

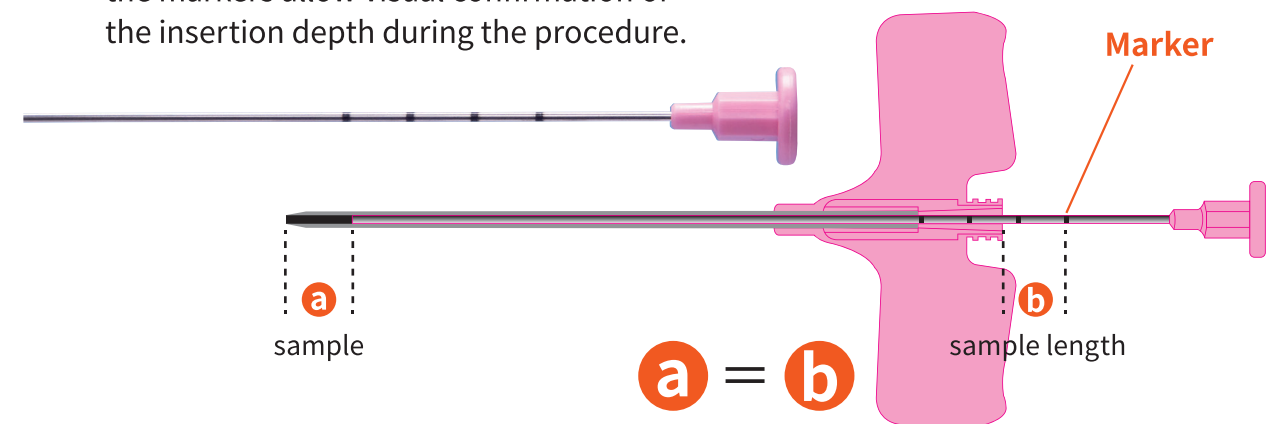
### Stick

### Safety cap

It can be attached to the cutting edge of the main body for needle disposal after the procedure.

### Advantage **Marker**

Marked with outer needle depth indicators, the markers allow visual confirmation of the insertion depth during the procedure.



a  
sample

a = b

b  
sample length