



Precise | Safety

SEMI-AUTOMATIC DISPOSABLE BIOPSY NEEDLE



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KDL disposable biopsy needle can be introduced by CT, Nuclear and Type-B ultrasonic, going through skin and inserting the needle into the lesion position accurately. The needle adopts the exclusive patented technology and two casing puncture technology. By using tunnel function of outer casing, the needle can draw samples in multiple points in different times with only once puncture and make injection therapy in the lesion position. Besides the basic function of puncture and biopsy, the needle increases new functions of reserve tunnel and medicine injecting, which achieve once puncture, multi-point sampling, biopsy of the casing and inject anti-cancer drugs to avoid implantation metastasis, which will reduce damage to patients and workload for medical workers.

Intended Use

KDL disposable biopsy needle can apply to organs such as kidney, liver, lung, breast, thyroid, prostate, pancreas, body surface and etc. with solid tumor or unknown tumor to take sample of living tissue, do cell aspiration and liquid injection.



Feature

- Omnidirectional 360°operation. Earth core positioning, puncture angel accurate to 1°.Target precision +5mm.Cannula attached puncture needle is multifunction: biopsy, injection, body fluid collection. ablation single puncture, multitreatment. Assist minimally invasion.
- Biopsy: equipped with biopsy needles, sigle puncture multi-sample collection, none resistance cutting ensure good quality sample. medicine injection,prevent implantation metastasis and bleeding
- The echogenic marker on the end of the cannula allows constant monitoring of the needle position during the biopsy.
- The centimetre depth markings on the cannula let users control the depth reached.
- The ring handle of the device allows it to be gripped and held easily during the biopsy procedure.
- Two available puncture depths,10mm and 18mm
- Made with the strongest spring in use to insure adequate cut-off of a full tissue sample
- A sharp cutting cannula



10.20mm main indicator window
easier for clinical operation



Special handling to outer casing
suitable for using in B ultrasonic and CT



Tick marks in outer casing
Accurate positioning and easy for clinical use



Extract deep biopsy groove design
keep integrity of samples



Safety lock device
ensure safety in using

Disposable Biopsy Needle Specifications

Product	Needle size		Length
	Imperial (Gauge)	Metric (mm)	
Disposable Biopsy Needle	18G	1.2	100mm,150mm,200mm According to customer request
	16G	1.6	
	14G	2.1	
	13G	2.4	

Notice: The size in chart is regular. Special size and needle bevel can be customised

Directions for use

1. Open the lockpin before using in case of misoperation and cutting the casing
2. Take the shell or armrest in one hand and plunger in another hand, pull core needle to 1-2cm high position
3. Insert the biopsy needle into the forward position of biopsy tissue in condition of the biopsy groove of core needle totally retract into incised casing.
4. Clench shell tightly, push the plunger with thumb. Make biopsy groove of core needle enter into biopsy tissue, move puncture needle 1-2mm forward and backward to ensure the biopsy groove can enough fill with samples.
5. Open the lockpin, push the plunger to bottom with thumb, trigger casing cutting automatically, cut the tissue and storage it into biopsy groove.
6. Hold casing set in one hand and shell in another hand, make the shell spin counterclockwise and loose the lock then pull out core needle to cover the casing, draw samples and do medicine injection multiply.
7. Take tissue samples down then put them into fixative to do fixation and inspection. Then leave biopsy needle in special collection instruments.
8. If there is a need to get sample, the biopsy needle can be inserted into casing again and can adequately change the direction of casing appropriately to enter lesion.
9. After biopsy is done and there is a need for injection, spin syringe clockwise to settle it into taper bore of casing set, injecting related medicine in to casing and put biopsy needle in special collection instruments after finishing.