

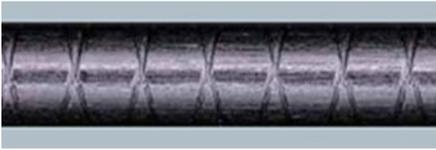
# DISPOSABLE VETERINARY ECHO NEEDLE

Veterinary echo needle in the pursuit of the visibility of needles used under ultrasound devices is released.

It supports a safe puncture by the reflection of the echo mark engraved in two fine spirals.

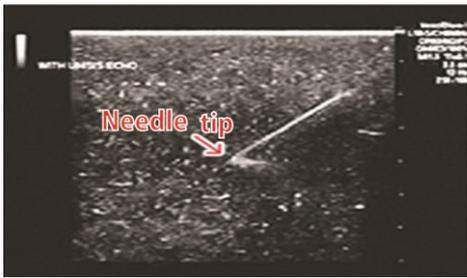
## Features

### ● High Precision Engraving (Echo-marking)



Engraving is a processing method to carve extremely fine grooves on the surface of needle tube. On our veterinary echo needle, two fine spirals are carved crossing each other, condensed within approximately 15mm from the tip of the needle.

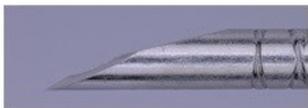
### ● Puncture image under an ultrasonic image



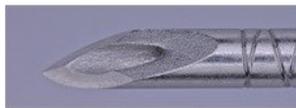
The reflectoin of ultrasound sonic wave from this groove will be clearly recognizable as white shadow on the screen of the imaging device, and support safe puncture.

## Needle point shape and Needle hub

### ● Lancet point SB (Short-Bevel)



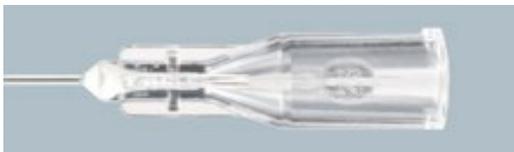
Lancet point from the side



Lancet point from the diagonal

Needle tip is Lancet point with excellent sharpness. The needle tip, which has been engraved and processed smoothly, can feel a smooth puncture without resistance to the skin of the animal. By applying silicon to the tip, smooth puncture to the animal of the haed skin is supported.

### ● Crystal-clear hub



A crystal-clear hub is adopted for the needle hub to be able to view the body fluids and chemical solutions. And the round plasticneedle hub is adopted 5 Moto in Japanese standard and can be connected to a syringe pump.

## Standard sizes

G:Gauge	Length	Q'ty / box	Product code
23G	35mm	10pcs / box	A0002600
	50mm		A0003600
	70mm		A0004600
	100mm		A0006600
24G	35mm	10pcs / box	A0017600
	50mm		A0018600
	70mm		A0019600
23G	35mm	25pcs / box	A0002700
	50mm		A0003700
	70mm		A0004700

### 【Product name】

Disposable Veterinary Echo Needle

### 【Package】

10pcs/box (23G, 24G)

25pcs/box (23G)

E.O.G sterilized (5years)

# DISPOSABLE VETERINARY SPINAL NEEDLE

The needle tip is K-3 Lancet point (Quincke point) with excellent sharpness and operators are satisfied with the rapid speed of flush-back.

And the needle fit to animal's body size is excellent handleability and supported for safe puncture.

## Features

### ● Disposable Veterinary Spinal Needle

The needles designed for small animals reduce the deflection of the needle tube and the risk of treatment by increasing operability.

### ● Thin wall

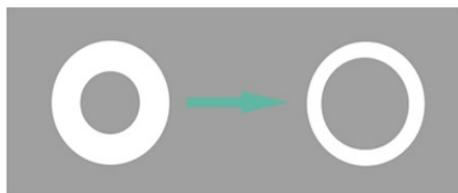
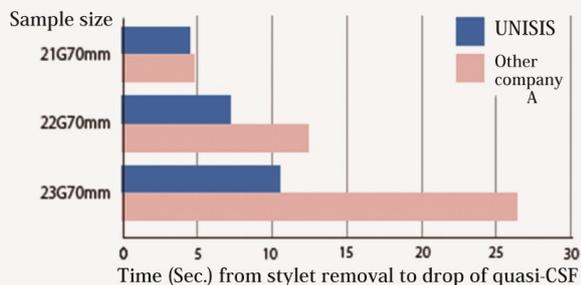


Image of internal diameter

Reference: Comparison of flush back speed



Our recent application of unique thin-walled tube has resulted in.

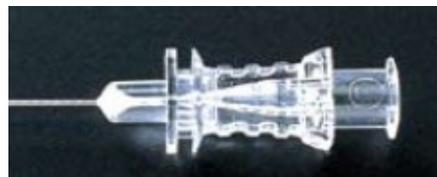
## Needle point shape and Needle hub

### ● K-3 Lancet point



Needle tip is a semi-Lancet point with the original improvement of Unisis and pursuing its sharpness. By making a double structure of the outer needle and stylet, the tissues in the body can be punctured to the desired position without clogging the needle tube.

### ● Crystal-clear hub and rapid flush back



Crystal-clear polycarbonate hub allows easy visualization of body fluid flushback and support smooth medication. It is safe to be able to check quickly even if bleeding by any chance.

## Standard sizes

G:Gauge	Length	Product code
21G	50mm	A0007700
	70mm	A0008700
22G	50mm	A0009700
	70mm	A0010700
23G	50mm	A0011700
	70mm	A0012700
24G	50mm	A0013700
	70mm	A0014700
25G	50mm	A0015700
	70mm	A0016700

### 【Product Name】

Disposable Veterinary Spinal Needle

### 【Package】

Individual packed and 10 pcs/box

E.O.G.sterilized (5 years)

# DISPOSABLE VETERINARY SONDE NEEDLE

Veterinary sonde needle can be used in wide range of applications such as oral administration, irrigation and so on from exotic to large-size animals.

Feature of our sonde needle is to easily be bent according to purpose by using flexible tube.

## Features

### ● Flexible stainless tube is used for needle tube

Needle tube is made from flexible stainless tube and possible to bent by hands easily according to purpose and use. The needle can be used in a wide range of applications such as oral administration, irrigation of issue, ear and anal abscess.

#### 【Non-bended veterinary sonde needle】



Needle tip is designed rounded shape to reduce tissue damage.

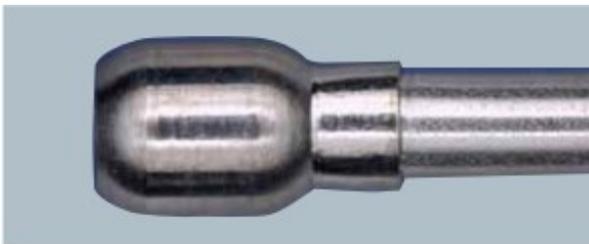
#### 【Bended veterinary sonde needle】



Sonde needle is possible to bend by hand easily according to purpose and  
※Please note that repeated bending and excessive bending in the same area can cause breakage.

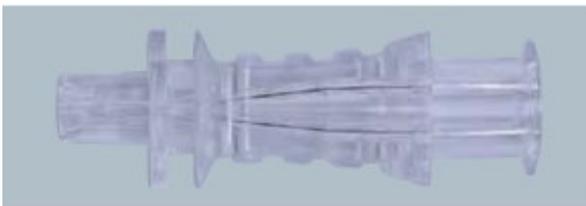
## Needle point shape and Needle hub

### ● Needle tip is bulb head point with non-bevel type



Needle tip is designed bulb head point to reduce tissue damage. It can be used smoothly for delicate tissues and reduce the trouble of tissue damage.

### ● Needle hub made from Crystal-clear polycarbonate



This is possible to be easy visual recognition of drug solution and connect to syringe directly.

## Standard sizes

C:Gauge	Length	Product code
18G	64mm	A0005700

#### 【Product Name】

Disposable Veterinary Sonde Needle

#### 【Package】

Individual packed 10pcs/box  
E.O.G.sterilized