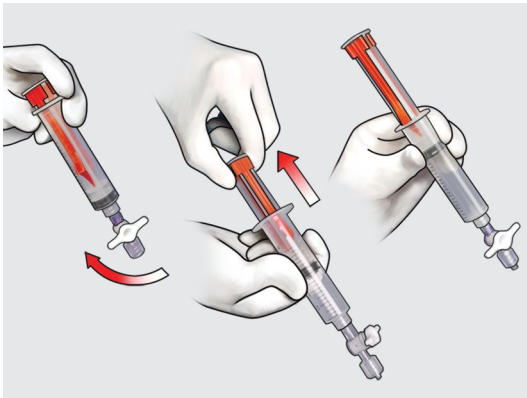


EchoTip® Ultra

ENDOBONCHIAL HD ULTRASOUND NEEDLE

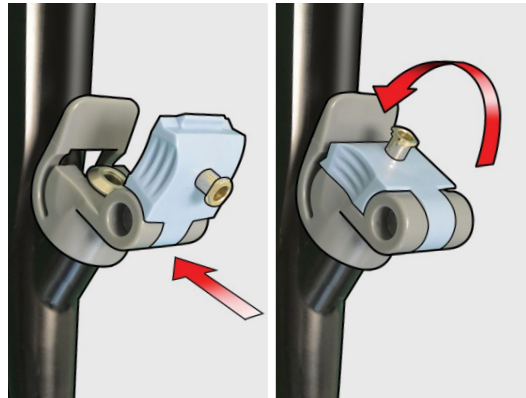
System Prep 1



OPTIONAL - If using the syringe for sample collection

To prepare the syringe, begin with the stopcock in the open position, depress the plunger locks and fully advance the plunger into the syringe. Turn the stopcock to the closed position and pull the plunger back to the desired setting, creating a vacuum.

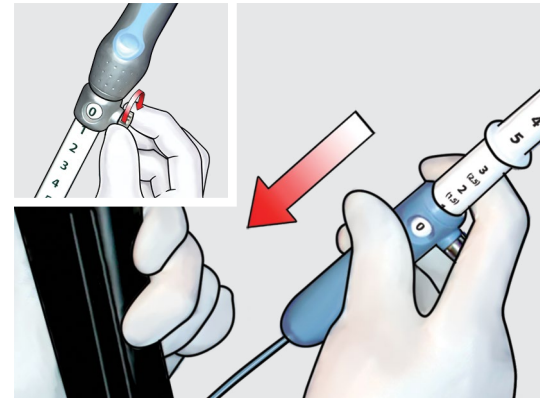
System Prep 2



OLYMPUS USERS ONLY

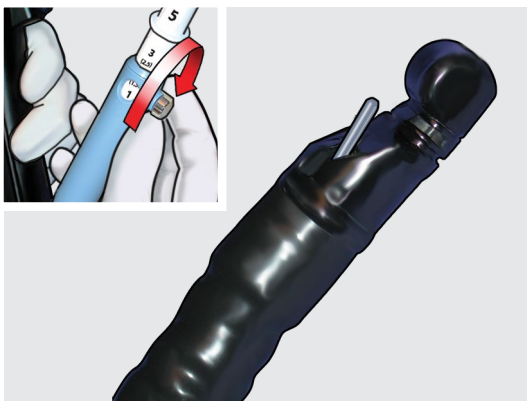
Slide the adapter, in the open position, in line with the accessory channel of the scope ensuring that the base of the adapter slides under the accessory channel metal hub. Close the adapter, ensuring it is locked.

Step 1



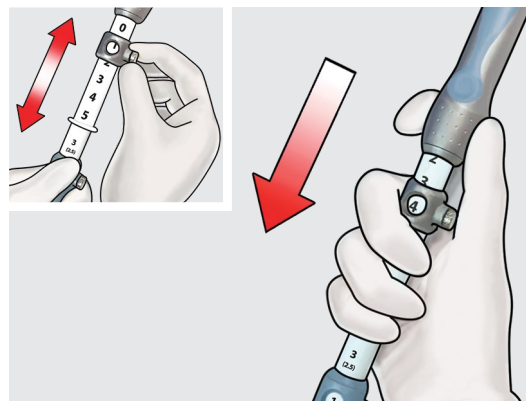
Identify the desired target site. Ensure the needle is retracted into the sheath before inserting it into the scope. Advance the device into the scope until the fittings meet. Attach the device to the accessory channel port by rotating the handle clockwise.

Step 2



Adjust the sheath to the desired length by loosening the thumbscrew on the sliding sheath adjuster and slide until preferred length is attained, then tighten thumbscrew ensuring the sheath has emerged from the working channel of the scope.

Step 3



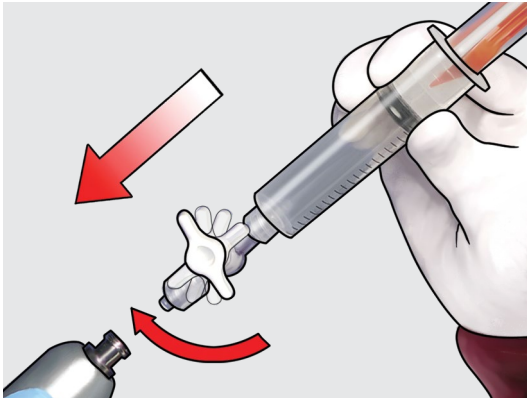
Set the needle extension to the desired length by loosening the thumbscrew on the safety ring, and advance until the desired reference mark appears in the window, then tighten the thumbscrew. Advance the needle into the target site.

Step 4



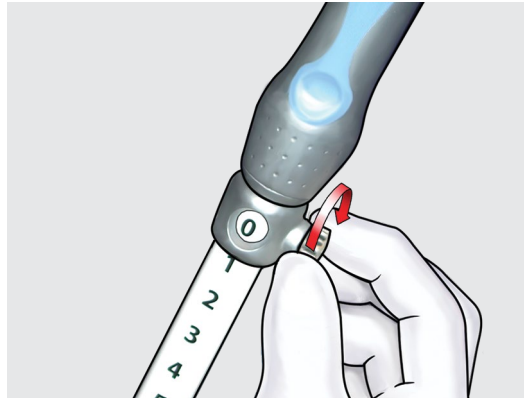
Standard vacuum syringe techniques may be applied for sample collection or, if desired, other techniques that may or may not incorporate the use of the stylet may be used. Remove the stylet by gently pulling back on the stylet hub. Preserve the stylet if an additional sample collection is required later. If using a syringe, follow Step 5.

Step 5



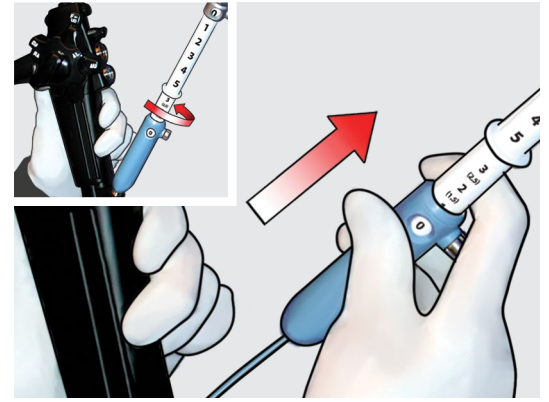
Attach the syringe to the device and open the stopcock to aspirate the sample. Move the needle handle back and forth within the target site. Upon completion of sample collection, turn the stopcock to the closed position.

Step 6



Retract the needle completely into the sheath and lock the thumbscrew on the safety ring at the 0 cm mark.

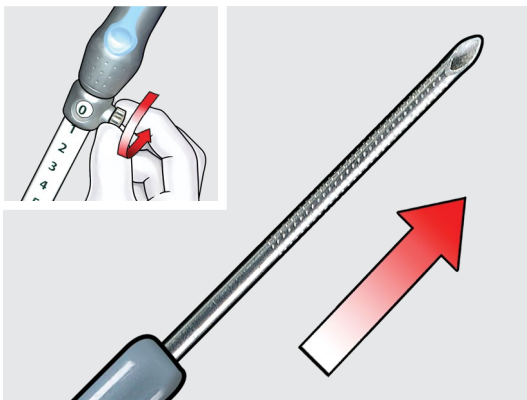
Step 7



Disconnect the needle from the accessory channel port by rotating the handle counter clockwise and withdraw the entire device from the scope.

Pentax users have an additional option for removing the needle between passes; refer to the instructions for use for further details.

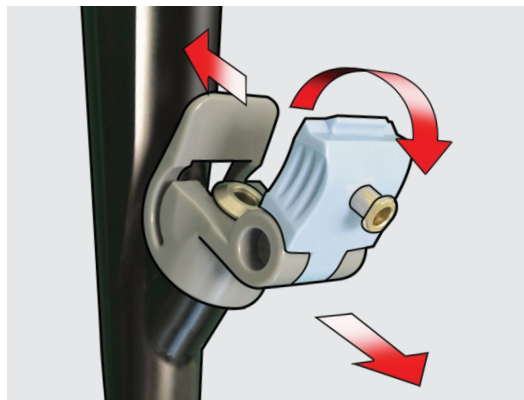
Step 8



Unlock the thumbscrew on the safety ring and extend the needle. Use a new syringe or the stylet to expel the specimen, then prepare per institutional guidelines.

Additional samples may be obtained by repeating steps 1-8.

Step 9



OLYMPUS USERS ONLY

To remove the adapter from the scope upon completion of the procedure, pull back the on the locking clip, lift the top and slide off the scope.

Refer to current instructions for use for detailed information.

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