

## Questions about the Injection holder

Do you know what the cleaning rod is that accompanies an injection holder?

We will answer this question about the injection holder in this News.

### Cleaning Rod

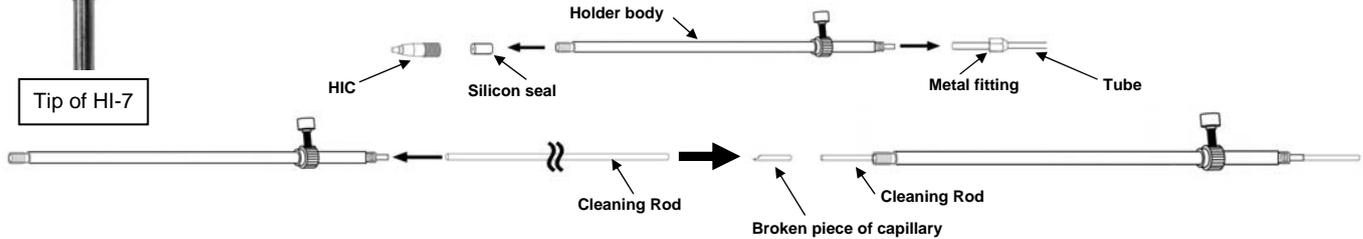
Cleaning Rod



Tip of HI-7

Q : What is the metal rod inside of the injection holder ( HI-7 ) ?

A : It is called "Cleaning Rod" and is used to clean the injection holder. Broken pieces of glass capillary or dust can clog the injection holder. This is one of the major causes of poor response of an injector during aspiration or injection. When you use the cleaning rod, you must remove the glass capillary, injection holder cap (HIC), silicon seal and tube from the injection holder, and then insert the cleaning rod from the bottom of the injection holder until the dust comes out of the top.



### < Point 1 >

If an injector suddenly gets totally out of control, it is most probably caused by broken pieces of capillary or a silicone seal stuck inside the injection holder. If you have such a problem, please try the above method to see whether the injection holder is clogged.

### Injection Holder Cap



Injection Holder Cap

Q : The HI-7 only allows for 1mm OD capillary. What should be done to use 1.2mm OD or 1.5mm OD capillary with it?

A : Injection holder caps for 1.2mm/1.5mm OD capillary are separately available. You can purchase the HIC-1.2 for 1.2mm OD or the HIC-1.5 for 1.5mm OD and change with the cap on the HI-7.

### HIR( Rotating Adjustable Clamp )

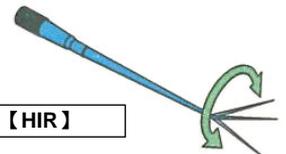


Central part of HI-7

Q : What is the metal knob on the HI-7?

A : It is a rotating clamp for the injection holder. You may sometimes find that the angled tip of pipette does not face a proper direction during placement. It is not easy to rotate the cylindrical injection holder body without the knob. The HIR helps the rotating adjustment.

Rotating a micropipette tip with 【HIR】



### < Point 2 >

There is a method of simple return mechanism using the HIR, which puts the pipette tip back roughly to the same position when you remove the injection holder with micropipette from the universal joint and put it back again.

Before you remove the injection holder, you loosen the HIR and move it up to the position where it touches the universal joint to tightly fasten again.

When you put the injection holder back to the universal joint, you move the injection holder up to the position where the HIR touches the universal joint. As it is the approximate home position, you can locate the pipette tip easily in the field of view.

### < Notice ! >

This method can only be performed on condition that the pipette is not replaced.