

# User Guide

## Crystal Catcher Glass Tip "Aqua" (CT-300) Crystal Catcher Glass Tip "Salt" (CT-400)



CT-300



Identification will be "blue and red"



CT-400



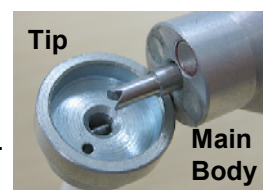
Identification will be "white and red"

### 1. Feature

The head of Crystal Catcher Glass Tip is made by glass, is made finer (O.D.: 80um, I.D.: 40um) than that of Stainless Tip. Can see crystals in the solution well, and better manipulation would be realized. Also, there's less diffraction noise at the head of the Tip, can get better quality in XRD data.

### 2. How to use

- 1) Set the Tip to the Main Body. Make sure the screw thread of the Tip is set to reentrant part at the Tip attaching part of the Main Body.



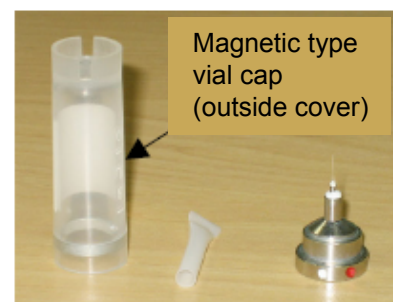
\*Glass Tips can only be used with CC-900 (Multi) Main Body. When using with other Main Body, Glass Tip may break

\* When setting Tip to Main Body, DO NOT turn the Tip by finger. Adhesive may come out a lot.

- 2) Take off caps from the Tip.
- 3) Hold the Tip so that it won't come off from the Main Body, then knock the knock button, so that adhesive would come out. When using it for the first time or 8 hours after your last usage, adhesive may not come out soon. Keep knocking 5~8 times, use it by checking the amount of adhesive coming out. In other cases, knocking the knock button twice will be optimum amount.



Tip with cap



White cap (inside cover)

\*It will take a few seconds for adhesive to come out.

\*If you knock continuously it may become a cause of breaking the Glass Tip or will be cause of adhesive coming out a lot and may not stop for long time.

**4) Observe by microscope that optimum amount of adhesive is coming out from the Tip, then touch crystal in the solvent gently and pick up the crystal.**

\*In some crystallizing solvent condition, immersing Tip for while makes intensity of adhesive weak.

In that case, clean the Tip head and use new adhesive.

**5) Take off Tip from the Main Body and mount it on X-ray diffraction instrument.**

**6) After using, clean the head of the Tip with Tip Cleaner(CL-100) and Cleaner Guide(CG-100), then cap it with both caps, inside and outside cover.**

**After that, you could continue using it in the same way.**

**Notice**

- Because it is made by glass, it is very fragile. Be careful when using it.
- Because the head of the Tip is really fine, be careful not to prick your skin.
- In some crystallizing solvent conditions, you may not get enough intensity of adhesive.
- Incase of CT-400(Salt), when adhesive's temperature becomes over 28°C, intensity of adhesive becomes weak. When using, make sure that you are using it at temperature below 28°C**
- Store Tips at cool and dry place and avoid the direct rays of the sun.**
- Inside the Tip, there are adhesive for 100 times usage. Although you knock 6~8 times and wait for a few seconds, but the adhesive won't come out from the head of the Tip, change to new Tip. Tip is disposable.  
You can find out whether the adhesive inside the Tip is empty or not by looking the adhesive inside the Tip by microscope. Because the Tip is see through, if you knock the button on the main body, you can see the adhesive moving inside the Tip. If you can't see any, it means Tip is empty.
- When not using, PLEASE PUT ON THE CAP.** Cap will protect the head from accidents.
- Duration of guaranty of the Tip is 6 months from your purchase.  
(Except to the extent that it is broken by customer's fault or it hasn't been used as mentioned in the user guide.)

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