

## Useful Accessories for Perfusion System

For electrophysiology experiments and imaging, the system to perfuse solution(s) needs to be made to maintain the sample cell(s) alive. This issue of Narishige Web News briefly discusses the products related to perfusion.

Firstly CK-1 chamber dish can be useful. This is a dish to help observe sample cell(s) under the microscope as one of the key factors in a perfusion system. The greatest characteristic of this dish is the committed design reflecting the varied opinions from researchers, and also its replaceable cover glass which reduces the trouble of cleansing and sterilization. (For the details, please refer back to NARISHIGE WEB NEWS No.041.)

CK-1 can be placed to the center hole of Narishige ITS table (and Olympus microscope stages) with the aid of CK-1A adaptor plate so that you can consider them as a package. (CK-1 adaptor plate can be also customized to fit the other microscope stages.)

When a perfusion system requires varied tubing around the sample, conventional options taken are to use sticky stuff like clay or putty which leaves dirt afterwards or to use a magnet which is convenient but expensive, or to use threads or cable ties provide only poor adjustability. When some adjustment functions are required, we can propose "YOU" series miniature manipulators although those manipulators can provide more than necessary functions for the mere purpose of tube holding while requires certain space and cost for the functions.

Above all, not only for the use in a perfusion system but also as a handy accessory which allows for brief positioning and angle adjustment of tubing and electrodes, CAT-1 tube clasper has been released.

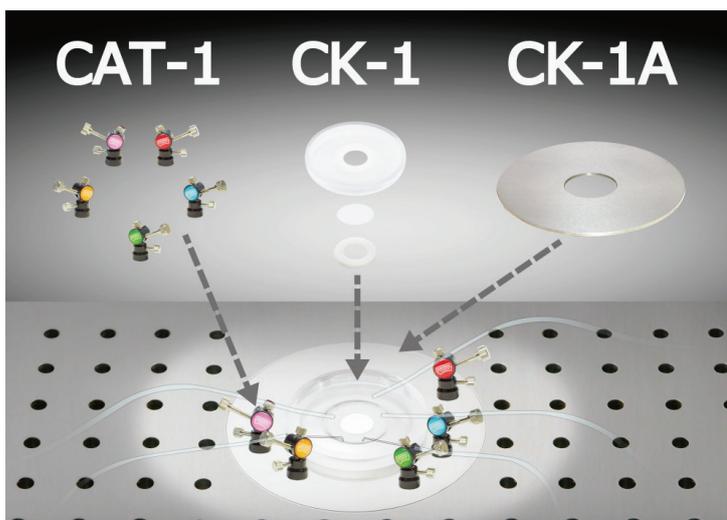
### **[Striking features of CAT-1] Simplicity and ease of use! Devoid of bells and whistles**

- **Extremely small!** Fits unobtrusively in small spaces around the sample
- **Easy and simple!** Small magnet is as easy as clay and putty allowing for one-hand adjustments.
- **Color-coded design!** Five colors help identify the particular tubing quickly.



Angle range: vertically approx. 45 degrees/ horizontally 360 degrees. Height: approx. 29mm.

Available for  $\varnothing 1\sim 4$ mm diameter tubing, electrode, probe. Allows either left or right hand installation



CAT-1 is handy enough for a wide variety of usages.  
Sold per pack of 5 pieces at an affordable price

When you have CK-1A with CK-1 and CAT-1 prepared for your experiment, you can place and remove CK-1A as a platform to get ready and finish quickly.

When you share a microscope with your colleagues, you can have the set of CK-1A, CK-1, CAT-1 as "your own set" while the others can respectively have their own to enjoy the convenient sharing of a perfusion system.

Check out our latest offering; CAT-1, which is small but has a great potential for the accessory for perfusion.

**If you have any questions or need further information, please contact us.**

Narishige Group Website

URL: <http://narishige-group.com>