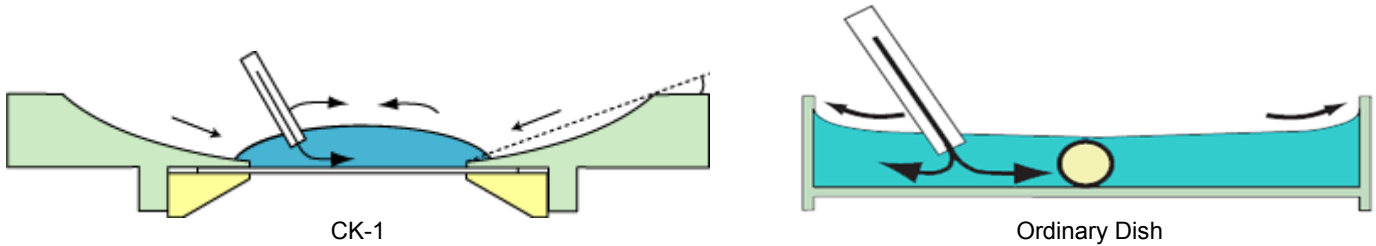


For Clear Observation

During slice patch clamp techniques, a perfusion system is often used to reduce stress to the cells and keep the cells alive as long as possible. However, when fluid runs into the perfusion system dish, it makes waves and the varied current direction makes observation difficult. Also, since plastic dishes obscures image observation due to its refractive index, glass bottom dishes are used for more sophisticated observations.

Disposable glass bottom dishes, a combination of plastic rim with a glass cover attached to the bottom, are available and more costly. This costly glass can easily be broken during cleaning, or an old sample can be left in the connection part. To help improve this problem, Narishige has developed the CK-1 Chamber Dish. With the CK-1 Chamber Dish, only the bottom cover glass is disposed of. The CK-1 can be reused and offers ingenuity that cannot be found in conventional dishes.

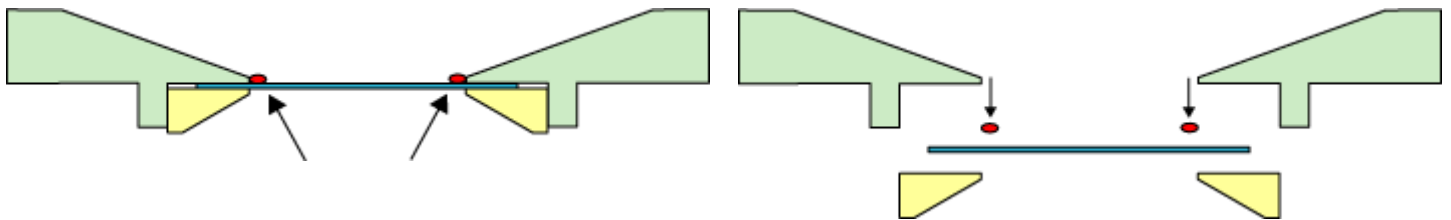
Unique features of the CK-1 design



The smooth and gentle curve of the dish allows fluid to run to the center and form a dome by surface tension. Fluid streams towards the center and allows for a stable surface. Fluid is sometimes very expensive. CK-1 uses small amounts of fluid compared to ordinary dishes. The center of fluid is swollen with the help of surface tension, thus a small amount of fluid is enough for using water or oil immersion lens.

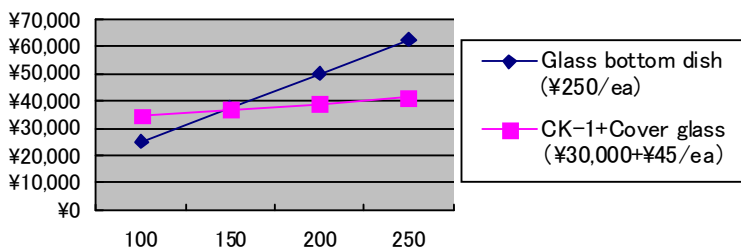
The stable surface of fluid reduces wobble during observation and provides a clear image.

Easily taken apart for thorough cleaning



CK-1 is designed to be reused and easily washed. The red areas in the above drawings are where old samples tend to collect. However, the CK-1 allows you to remove the cover glass which is a simple flat surface and is easy to wash. You can also replace the cover glass easily when it is processed, damaged or worn. Cover glass of 22mm diameter is available in the market and is used with the CK-1.

Earth friendly and cost effective



Initial cost of the CK-1 is high as compared to the disposable glass bottom dish. On the other hand, cover glass is less expensive than the disposable glass bottom dish. As the number increases, the difference of cost widens.

The disposable glass bottom dish is entirely wasted in the end. However, with the CK-1 only the cover glass is changed and it is earth friendly.

Solid fixation to a microscope

The newly released CK-1A allows for fixation of the CK-1 to the ITS isolation systems or the Olympus microscope stages.

For details, please refer to the product page !

If you have any questions about this product, please do not hesitate to contact us.