

Application for Tetrad Analysis

Tetrad Analysis is a method of gene analysis. Diploid cells of yeast and spore samples which have been differentiated to four cells are separated under a microscope and cultivated on a petri dish to be examined. This issue discusses a micromanipulation system for tetrad analysis.

Micromanipulation Products and Ball Joint

1. [Coarse Manipulator \(MN-4\)](#) : Manual manipulator with a long working distance.
2. [Fine Micromanipulator \(MMO-202ND\)](#) : Hydraulic system offers excellent smooth movement.
3. [Ball Joint \(B-8B\)](#) : A pipette holder is held on the ball joint. The universal joint of the MMO-202ND is not used. The ball joint is used in place of the universal joint.

Mounting Adaptor

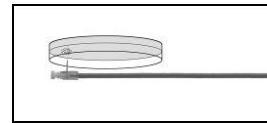
A mounting adaptor is special made in accordance with the upright microscope to be used.

Special Made Platform for Petri Dish



A petri dish is laid upside down on this platform to protect samples from dust. The platform is U-shaped so that a capillary can access the samples through the opening. This platform will be special made in accordance with the size of the petri dish.

* The petri dish is placed upside down and accessed as shown in the drawing at right.

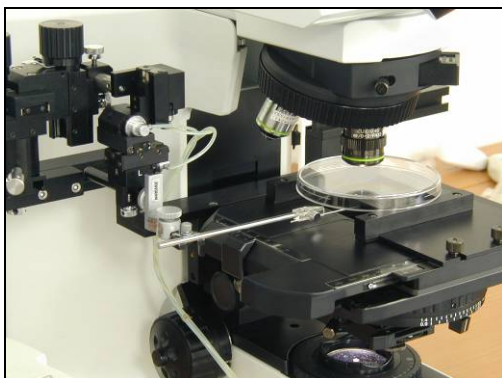


Designated Capillary Holder and Capillary

We do not carry the holder and capillary. However, if you have any questions, please feel free to contact us.

Application Examples

Microscope: Olympus (Manipulator on left)



Microscope: Leica (Manipulator on right)



It is possible to build different systems in accordance with your budget and requirements. Written information on this application is available upon request. Please contact Narishige for details.

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