



*(Objective not included)*

## MOM: MOVEABLE OBJECTIVE MICROSCOPE

The Sutter **Moveable Objective Microscope (MOM)** is designed to be an ultra-stable, versatile, fluorescence platform for electrophysiology experiments. The **MOM** is a new alternative to the popular technique employing a fixed-stage, upright microscope on a translating X-Y table. The advantage of the **MOM** is that only the microscope objective is moving in 3 dimensions. The main frame of the microscope, including the light source and camera mount is firmly bolted to the tabletop via a rock solid aluminum extrusion.

Additionally, the microscope body is very compact, allowing easy access for multiple manipulators. The fixed stage is based on one of our Sutter **MT-75** gantry columns that have already proven themselves as solid supports for manipulators and as fixed stages in our own microscope-translator system, the **MT-1000**. Furthermore, because there is no microscope frame below the objective, it is easy to use this microscope on in vivo preparations where an animal is immobilized on a special stage or stereotaxic frame.

Finally, the microscope is easily convertible from an upright to an inverted microscope. This would allow for fixed-stage electrophysiology experiments on cells in culture. Current designs require a massive translator and fixed stage in combination with a commercial inverted scope.

Please contact Sutter Instrument directly for more information and to discuss the needs of your research application.

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