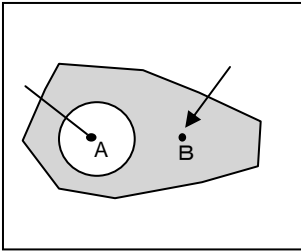
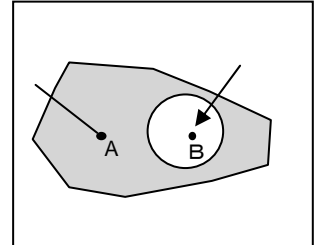


Isolation System

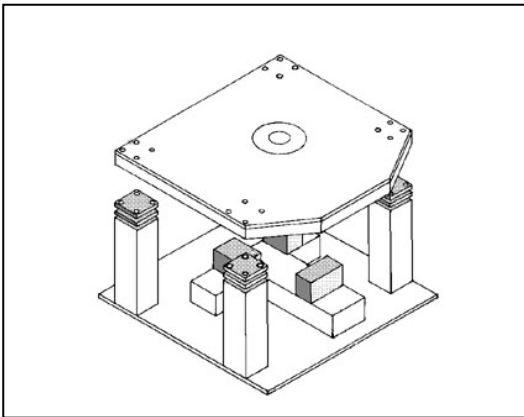


Look at the drawing at left. What is the most secure way to set an electrode on point A in the field of view, while setting another electrode on point B out of view? The isolation system provides the best solution for this purpose.

You may think of a way to fix a manipulator to a microscope stage so that they move together. However, moving the sample also incurs the possibility that the electrode can get off point by vibration or any mishap. The isolation system does not move the sample at all but only moves the field of view.



★ **The most important factor in electrophysiological experiments is “absolute stability”.**
Our isolation table eliminates all movable mechanisms to realize the best stability and reliability.

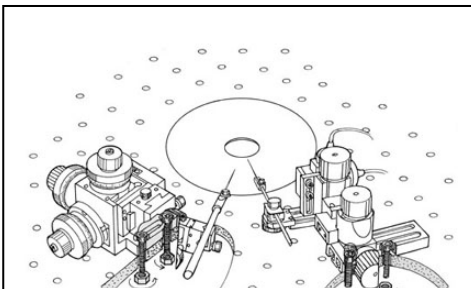
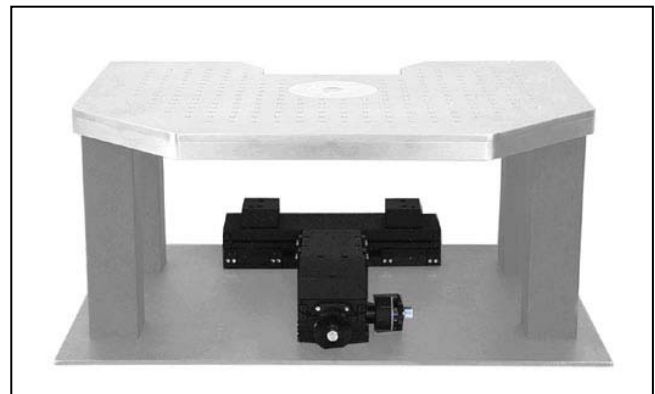


1. Excellent Stability

Our ITS system is designed to fit designated upright microscopes. Height adjustment is basically not required. If height adjustment is needed, spacer blocks are put in or taken out. As it does not have any movable parts, it provides no chance of losing stability and also keeps the top plate always horizontal. The top plate is provided with crossbeams to enhance the anti-vibration characteristic. Also, as the legs are fixed tightly to the base plate as well as to the top plate, the overall system does not distort due to the load.

2. Reliable X-Y Base

The X-Y base is put under heavy load of microscope. Other brands sometimes divert a commercially available micrometer to the base. On the other hand, we employ our own unique mechanism that we materialized accumulated experience of micromanipulators. It is not only convenient to use but also very rigid and reliable in movement because the heavy load is taken into consideration.



3. Convenient Top Plate

ϕ 7mm through-holes are situated 25mm center to center, and totally 210 holes are available on the top plate. Such a large area of 600mm wide and 450mm long allows varied positioning of equipment on the table. The top plate also accepts magnets.