



Xenoplace™ WorkStation



Why spend time shopping for individual components from multiple vendors for your oocyte rig?

The **ALA Xenoplace™ Workstation** is an affordable and compact two-electrode voltage clamp system built around high-end components that work well as a system. It's available as a discounted package and can be configured for specialized applications.

The **Xenoplace™ WorkStation** consists of the following:

- * npi **TEC-03X** High performance two-electrode voltage clamp amplifier with model cell
- * ALA **VC3-4PG** 4 channel gravity fed perfusion system
- * 2 x **MM-33** mechanical manipulators
- * ALA's small volume **Xenoplace™ Recording Chamber** with built-in reference electrodes*
- * Set of electrode holders, current headstage adapter, and model cell
- * Binocular microscope with boom stand



Xenoplace™ Recording Chamber references:

Sobolevsky, A.I., Beck, C., Wollmuth, L.P. 2002. Molecular rearrangements of the extracellular vestibule in NMDAR channels during gating. *Neuron* 33:75-85.

Sobolevsky, A.I., Yelshansky, M.V., Wollmuth, L.P. 2005. State-dependent changes in the electrostatic potential in the pore of a gluR channel. *Biophysical Journal* 88:235-242.

Sobolevsky, A.I., Yelshansky, M.V., Wollmuth, L.P. 2003. Different gating mechanisms in glutamate receptor and K⁺ channels. *Journal of Neuroscience* 23(20):7559-7568.

Sobolevsky, A.I., Rooney, L., Wollmuth, L.P. 2002. Staggering of subunits in NMDAR channels. *Biophysical Journal* 83:3304-3314.

Sobolevsky, A.I., Yelshansky, M.V., Wollmuth, L.P. 2004. The outer pore of the glutamate receptor channel has 2-fold rotational symmetry. *Neuron* 41:367-378.

Yelshansky, M.V., Sobolevsky, A.I., Jatzke, C., Wollmuth, L.P. (2004). Block of AMPA receptor desensitization by a point mutation outside the ligand-binding domain. *The Journal of Neuroscience* 24(20):4728-4736.

Other configurations are possible - please contact the factory for details
Complete specifications can be found at the www.alascience.com or www.npielectronic.com



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