



# **5 9-Drive Stx Clamp Manual**

**Stereotaxic device to hold the Neuralynx 5 and 9 Drive series of microdrives**

Document Revision 1.00  
Last Revised: January 28, 2009

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# **1 Document Overview**

This document will explain the functionality of the 5 9-Drive Stx Clamp. This product is sold separately from the Neuralynx 5 and 9 Drives.

## **2 Neuralynx 5 and 9 Drive Holder Overview**

The Neuralynx 5 9-Drive Stx Clamp is used to secure the NLX 5 and 9 drives series of microdrives for tetrode loading and plating. The holder uses a hinge system to clamp down on the microdrive which will then be secured to the provided stereotaxic rod. This device will allow for easy access to the microdrive and accompanied EIB.

### 3 Packing List

- 1) Stereotaxic Rod
- 2) Stainless steel 'half moon' holding piece
- 3) Drive arms (2)
- 4) Clamp Washer
- 5) O-ring

The NLX 5 9-Drive Stx Clamp will be shipped fully assembled. The drive holder will be shipped as one complete unit.

### 4 Installation of the Drive

Open the two drive arms enough so that the microdrive can be inserted into the drive holder. The Microdrive should sit flat against the top most grooves (directly under the screw mounts that hold the EIB in place). Close the clamps around the drive and secure it with the provided o-ring (see Figure 4-1 Loaded Holder with NLX Drive).



**Figure 4-1 Loaded Holder with NLX Drive**

## 5 Additional Usage

The NLX 5/9-Drive Stx Clamp can also be used in combination with the EIB\_36 Plating Adapter. Use the same techniques to load the drive into the holder. You can then install the EIB\_36 Plating adapter and NLX Stereotaxic device along with the Drive Holder on the same Stereotaxic device. This combination of products will allow you easy access to all of the channels for tetrode plating and continuity checks (see Figure 5-1 5 9 Drive Stx Clamp and EIB-36 Plating Adapter).



**Figure 5-1 5 9 Drive Stx Clamp and EIB-36 Plating Adapter**

Note: The Stx Clamp and EIB\_36 Plating Adapter are sold separately.