

## 1 SELECT THE CORRECT RESTRAINT & NEEDLE CARTRIDGE



**Step 1:** Make an initial selection of the Restraint Cartridge (SMALL or LARGE) based upon whether mice are young or adult.



**Step 2:** Pick up a mouse by its tail and place it on the Restraint Cartridge platform. Depress the tail grippers on the red dome cover, lower it over the mouse tail, and release grippers.



**Step 3 :** Hold the tail across the v-groove. Using the Tail Gauge, beginning with the smallest slot on the left to the largest slot on the right, determine the slot that fits the tail. The fit may be snug, but not tight. Do not use force.



**Step 4:** Read the Tail Gauge to confirm the correct Restraint Cartridge (SMALL OR LARGE) is used and to select the correct Needle Cartridge (YELLOW or GREEN dot).



*Important Note: The Tail Gauge is to be held vertically and square with respect to the tail. Use the Tail Gauge on each mouse. Do not rely on age or weight to determine Restraint and Needle Cartridge combination.*

## 2 INSTALL/CHANGE THE NEEDLE CARTRIDGE (50 IDs maximum)



**Step 1:** With the Applicator Machine powered ON, press the CHANGE NEEDLE button.



**Step 2:** Remove the existing Needle Cartridge by pressing the forked end of the Tail Gauge onto the Needle Cartridge and removing it. (If no Needle Cartridge is installed, proceed to Step 3.)



**Step 3:** Install the appropriate Needle Cartridge on the gun-head.

**Step 4:** Press the CHANGE NEEDLE or START button to retract the gun-head.

## 3 INSTALL TriCell™ INK SLIDE INTO TAIL COVER (Note: Ink Slides are single-use only.)



**Step 1:** Clean the Tail Cover bottom of any debris that would prevent the bottom surface from sitting flat on the Restraint Cartridge platform.

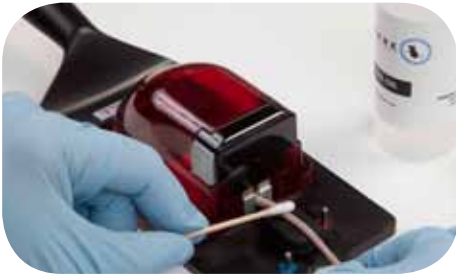
**Step 2:** Insert a new Ink Slide into the Tail Cover, ensuring that the two (2) positioning holes align.

A complete User Guide is available online in PDF and Word formats. Visit [www.labstamp.com](http://www.labstamp.com).

For support in the U.S., Canada, Latin and South America, call 1-800-423-1243/ +1-619-591-8687 or email [support@somarkinnovations.com](mailto:support@somarkinnovations.com). For all other countries, please contact your local Labstamp Distributor.



## 4 APPLY TAIL OIL & POSITION TAIL COVER



**Step 1:** Apply a thin layer of Tail Oil onto the tail and align the tail within the v-groove of the rubber tail bed.



**Step 2:** Align the color-coded Tail Cover holes over the matching alignment posts of the Restraint Cartridge platform, and lower the Tail Cover over the tail allowing the magnets to securely seat the cover in place.

### IMPORTANT NOTE:

Ensure the Restraint Cartridge platform is clear of any debris and the Tail Cover rests flat upon the platform.

## 5 APPLY ID



**Step 1:** Insert the Restraint Cartridge into the Applicator Machine.



**Step 2:** Once the RESTRAINT CARTRIDGE STATUS light changes to green, enter the desired alpha-numeric characters (up to 3) to be tattooed. If entering a series of IDs, press AUTO INCREMENT prior to entering the ID. See User Guide for details.



**Step 3:** Press START to begin tattooing. (The STATUS light will begin flashing RED). Upon completion of the tattooing, the STATUS light will change to green again.

**Step 4:** Pull to slide the Restraint Cartridge out of the Applicator Machine.

**Step 5:** Remove Tail Cover and gently wipe excess ink from the newly tattooed tail using gauze or cotton-tipped applicator and Tail Oil.

**Step 6:** Holding the mouse by its tail, depress the tail grippers on the dome to release the mouse from the Restraint Cartridge and return it to its cage.

**Step 7:** Remove used Ink Slide from Tail Cover and discard it.

**Step 8:** Using alcohol or disinfectant, clean the Restraint Cartridge components as needed to tattoo the next mouse, or clean and store for the next session. See Cleaning below.



## 6 CLEANING

For best results and to preserve the life of the Needle Cartridge, inspect the Needle Cartridge after tattooing at least every 5 mice. Clean the Needle Cartridge as necessary using a cotton-tipped applicator and Tail Oil, or disinfectant of choice. At the completion of the session, wipe down the Applicator Machine, all Restraint Cartridge components, and Tail Gauge thoroughly according to your laboratory guidelines. Do not spray into the Applicator Machine port or the air vents on the back.

	ETO	Irradiate	Autoclave	VHP	Spray/wipe	Chlorine dioxide gas
Applicator machine	•			•	•	•
Restraint cartridge	•	•		•	•	•
Ink slide (single-use)		•		•	•	•
Needle	•	•		•	•	•
Tail oil	•	•	•	•	•	•