



LABSTAMP: SETTING NEW STANDARDS IN VISUAL IDENTIFICATION OF LABORATORY ANIMALS

Somark Innovations (Somark) is a global leader in laboratory animal identification.

Somark is modernizing research laboratories with innovative technology and products to streamline and accurately assess test animal characteristics during pre-clinical research.

Somark's Labstamp product is a world-leading visual ID innovation to increase the accuracy of laboratory test animal identification.

ABOUT LABSTAMP

The Labstamp system creates a distinct and permanent tail tattoo to allow easy visual identification.

The tail tattoo is highly durable, lasting the lifespan of the mouse and research phase. The Labstamp system includes the tail tattooing equipment and only requires minimal training to implement.

Accurate visual identification directly helps with the accuracy and integrity of scientific research.

Labstamp can replace less effective identification methods, while complementing existing research methodologies and technologies.

LABSTAMP: A STEP-CHANGE IN EFFICIENCY AND ACCURACY OF PRE-CLINICAL RESEARCH

Dramatically reduced identification error rates:

A global pharmaceutical company compared various identification methodologies to assess identification error rates. They found the following identification error rates:

- Ear tags - greater than 30%
- Ear notches - greater than 20%
- Labstamp tattoo - less than 3%.

Dramatically increased identification efficiency:

The same global pharmaceutical company found Labstamp provided:

- 78% quicker animal identification compared to ear notches
- 27% quicker identification compared to metal ear tags.



SOMARK



LABSTAMP™
By Somark



PRODUCT COMPONENTS AND SPECIFICATIONS

Automated identification which is easy to apply

- **The Labstamp applicator** automatically tattoos a permanent 3-character, alpha/numeric ID on the mouse tail
- Uniform, highly visible characters applied precisely to the middle of the tail's dermal layer
- Over 56,000 unique IDs can be created
- All laboratory technicians can apply the Labstamp tattoo with only elementary training required
- Able to be applied in under 30 seconds
see: somarkinnovations.com/labstamp

Easy to identify individual animals with greater accuracy

- Improves data collection and reporting accuracy, from sentinels to breeders to study mice
- Stark tattoo markings which are visible from outside of the cage
- Ultraviolet option for animals with dark pigmented skin
- Minimizes worker stress related to identification of animals with hard to read IDs, such as ear tags, toe clips, sharpie marker ID/ hand applied tattoos
- Reduces operator fatigue and injuries from repetitive motion associated with manual handling and identification

Improves animal welfare and research outcomes

- Safe restraint equipment is used during tattooing process (part of the Labstamp system)
- Computerized control of needle depth eliminates trauma and damage to underlying tissues
- Micro-encapsulated ink protects animal from traditional ink exposure
- Does not require anesthesia

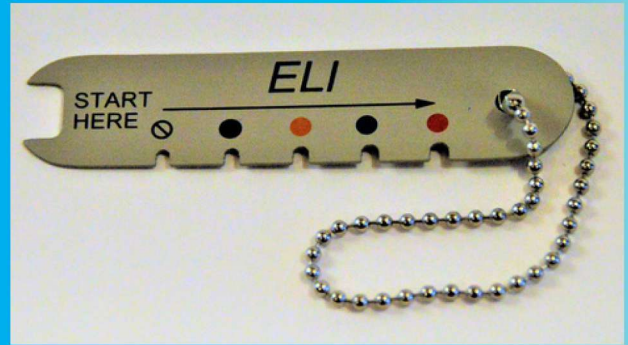
Scalable, universal, cost-effective

- Easily scalable and suited for small and large studies
- Ideal primary method in centralized and de-centralized research facilities
- Reduces cost and risk by eliminating study errors and complications associated with loss of ID, or hard to read IDs

Labstamp's Early Life Identification product (ELI)

is also available for identification of pre-weaned mice between 14-21 days.

Our Labstamp ELI product includes refined equipment to ensure animal welfare and effectiveness of the tail tattooing in mouse pups.



Somark's innovations are reforming and modernizing the way animal-based laboratory research takes place.

Up to 9 out of 10 (human) clinical trials fail. One of the key factors is human error during the initial animal-based research phase.

Somark's commitment is to work with the industry to improve the reproducibility and efficiency of pre-clinical research.