Mouse Identification Matters: Labstamp ensures better science and better business

CRACK IT Solutions

Somark Innovations is seeking partners to adopt and evaluate their Labstamp mouse identification system. Labstamp is a more refined permanent method of identification; offering the lowest rate of misidentification, the best study data capture accuracy and the best animal welfare.

What could the Solution be used for?

Labstamp is a system that uses robotics controlled by a software-based operating system, with a specially designed mouse restraint and ink delivery method. It produces high-quality, permanent tattoos on the tail of mice from the age of 10 days and up to 60gms in weight when adult.

- Labstamp is successfully used by breeders and research teams across the entire spectrum of disease areas and behavioural studies.
- The system has been optimised for pre-weaned mice, which is an area of potential growth for the technology.
- We are keen to develop the technology for use in identifying rats.

Need for collaboration

We are a technology company seeking partners to:

- Share the problems they face with animal identification through the lifecycle of preclinical research,
- Collaborate on defining unmet requirements,
- Assist in evaluating and testing new designs,
- Demonstrate to the market the benefits our solutions can deliver.

It is critical for the partner(s) to be independent and for their involvement to be recognised as authoritative and free from bias.

3Rs impact assessment

Refinement: Minimally invasive and can be used with topical anaesthesia. Reduced handling of mice during the tattooing process and for subsequent identification. Potential to replace more invasive identification methods such as ear punches and toe clipping.

Reduction: Reduced study sample size because fewer mice are lost on study due to complications caused by the method of ID. No need to repeat studies due to identification issues. In haemophilia studies, Labstamp completely eliminated the risk of haemorrhage in these mice and deaths due to blood loss observed with other tagging methods, reducing the number of mice required for these studies by 10%.

To find out more or to connect with the technology developer contact crackitenquiries@nc3rs.org.uk

NC 3Rs

SOMARK INNOVATIONS
Better Science & Better Business™

www.CRACKIT.org.uk
@CRACK_IT
crackitenquiries@nc3rs.org.uk
020 7611 2233