

Mouse&Rat Tail Vein Simulator

Greatly
Contributes to
"Replacement" and
"Refinement" of
Animal Use
Alternatives



HOW TO USE
MOVIE

For Injection and Blood Collection Training Prior to Using Live Animals

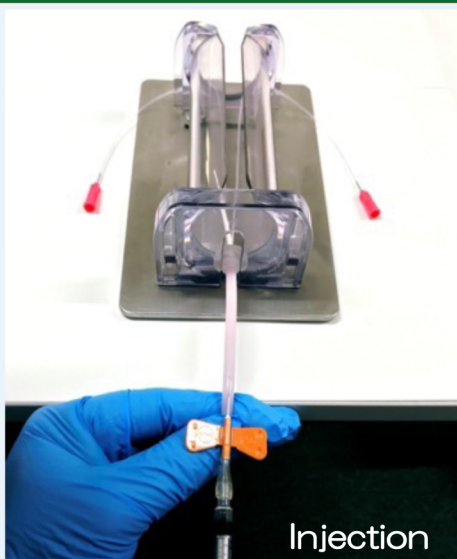
Feature 1

Accurately Produced for Realistic Training Experience

- Developed with professors and professional technicians to reproduce an actual animal.
- To be used for training before performing procedures on live animals.
- Recommended for students and beginners.

Feature 2

Vein Injection Training



Injection

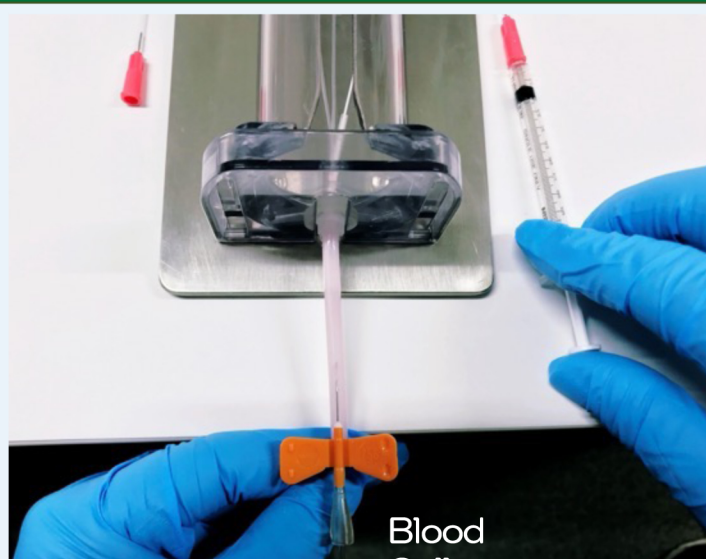
- Stabilizing simulator in a restraint device (pictured above).
- Insert needles into each end of tubes (blood vessels) of the tail and inject fluid. Injection is complete when the fluid comes out from the tip of the tubes.

【Development Partner】

The simulator was developed using 3D printer and soft tissue reproduction technology under academic guidance by Dr. Masaru Kawakami of Yamagata University Faculty of Engineering and Mechanical Systems.

Feature 3

Blood Collection Training



Blood
Collection

- Stabilizing simulator in a restraint device (pictured above).
- After filling tubes with simulated blood using a syringe, insert needle into either one of the tubes (blood vessels) and apply pressure to the simulated blood in the tube with the syringe. This reproduces the blood collection process.