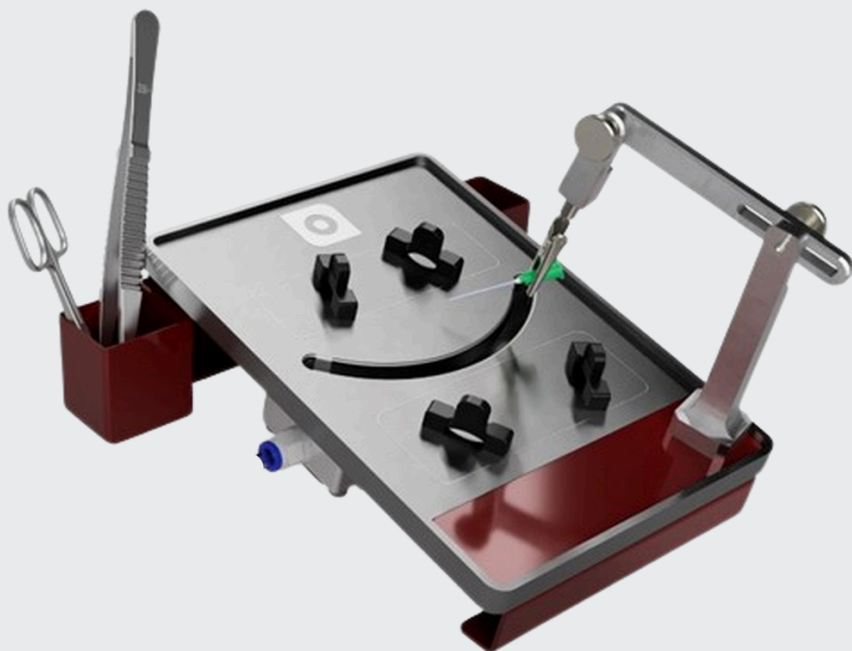
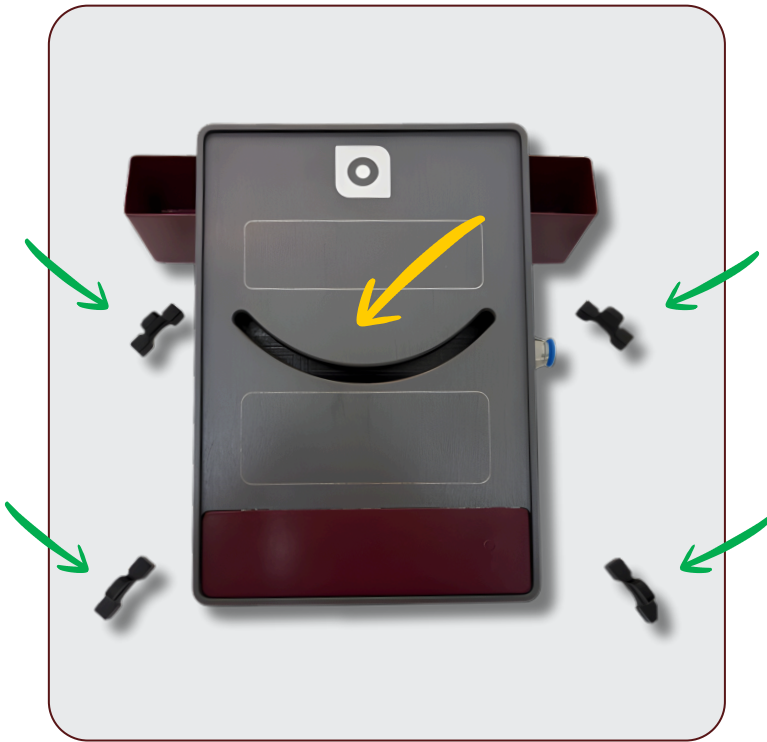


Clean Transcardial Perfusion System



User manual



Step 1

Prepare the table and position the magnetic holders (white for forelimbs, black for hindlimbs), as shown in the picture (green arrows).

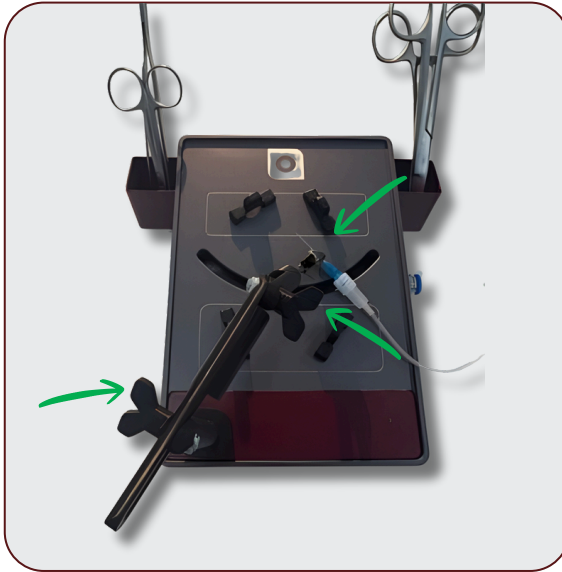
Note: The yellow arrow indicates the fluid drainage system from the animal.



Step 2

Connect the outflow tubing (black arrow) to the outflow port of the table (green arrow).

Note: The outflow tubing drains the fluids and should be connected to the provided fluid-collection bottle.



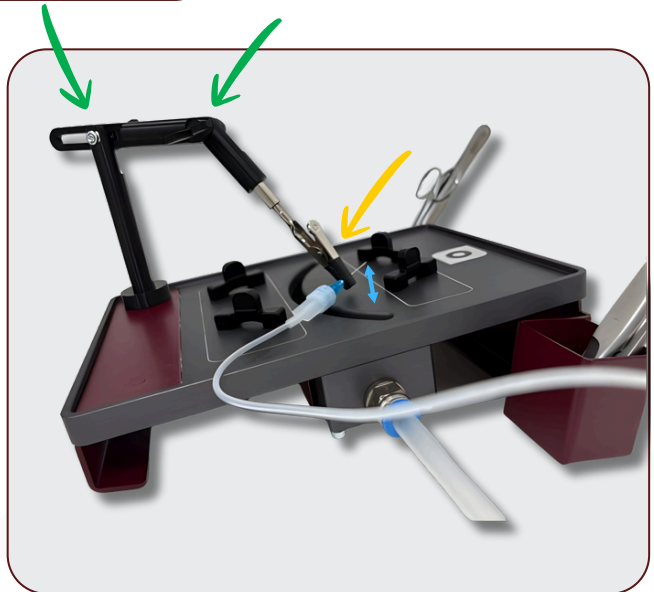
Step 3

Prepare the holding crane by adjusting the screws (green arrows) to match the final position on the animal.

Note:

The holding tooth (yellow arrow) should be positioned so that the needle is aligned with the level of the heart.

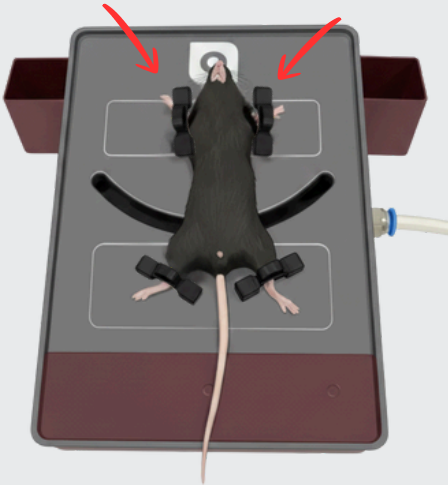
Optional: Prepare the necessary tools in the holding racks.



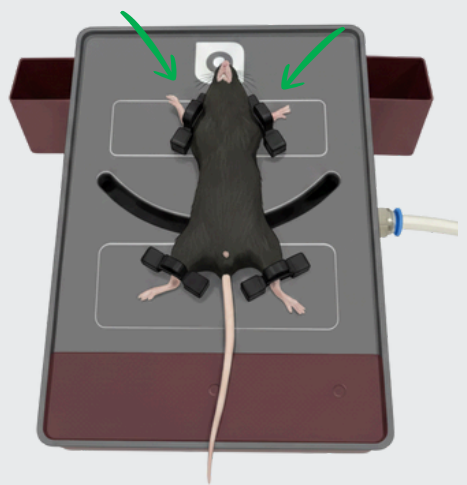
Step 4

Place the animal on the perfusion table and stabilize its extremities using the magnetic holders.

Wrong positioning



Correct positioning

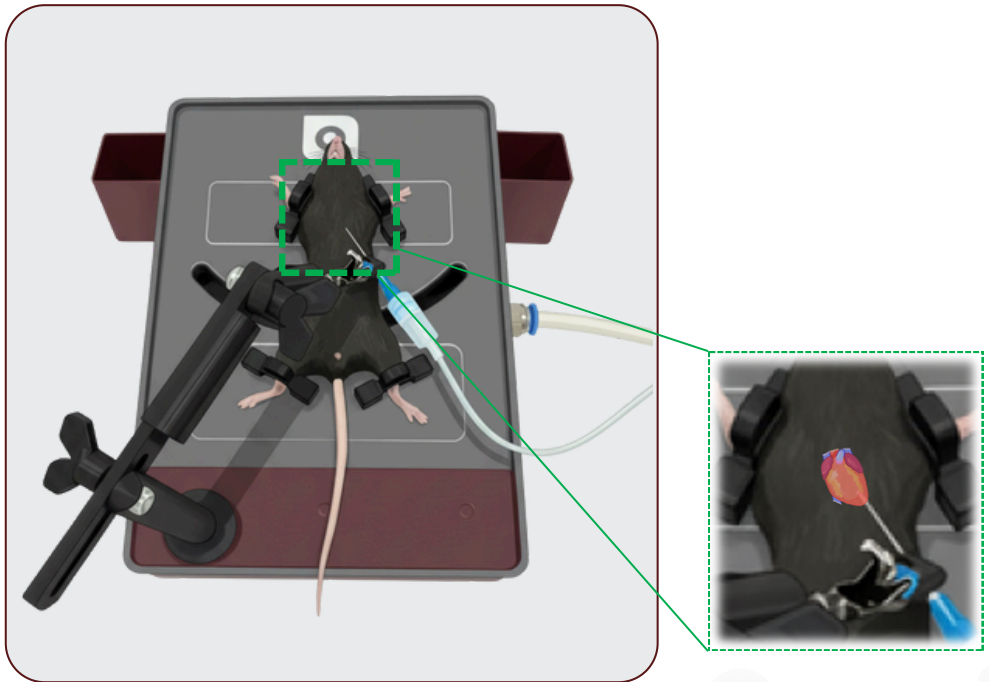


Note:

Position the holders proximally and at an angle, as shown in the figure. Refer to the figures for correct (green arrow) and incorrect (red arrow) positioning.

Step 5

Verify, once before starting your batch of perfused animals, that the holding crane and needle are correctly aligned with the projected heart position (see magnified view). This speeds up and simplifies positioning of the holding crane during the perfusion procedure (see Step 6).



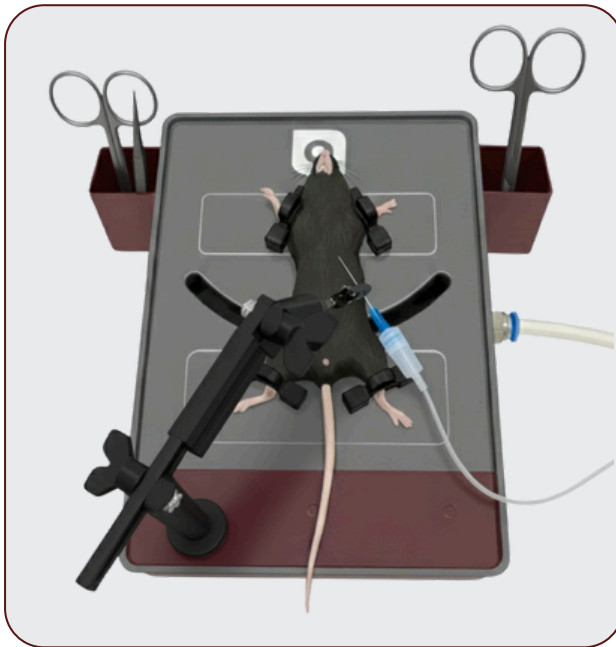
Important:

We strongly recommend using a **23G needle** to ensure proper flow and adequate perfusion pressure.

Step 6

The correct final positioning of the system, including the secured needle and tools, is shown in the figure. To begin the perfusion procedure:

- Remove the needle from the holding tooth.
- Move the holding crane to the side.
- Start the perfusion operation.



Note:

You may use any perfusion system suitable for fluid perfusion. For optimal perfusion pressure and consistent results with minimal effort, we recommend our pump-driven “add-on” perfusion system.

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SCAN ME

