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INSTRUCTION MANUAL

Surgery table standard

(Variante 1 / System 1)

Surgery table standard with T-CAT Temperature controller and rectal probe for mice

(Variante 2 / System 2)

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1 System Configuration

System 1

1 x Set Surgery table with mask system for mice and rats connecting hose for gas evacuation



System 2

1 x Set Surgery table with mask system for mice and rats connecting hose for gas evacuation, T-CAT Temperature Controller with rectal probe for mice



2 INSTALLATION

2.1 Unpacking & Preliminary Check

Check the contents of the shipment for completeness, packing list to hand, and visually inspect the instrument as soon you take it out of the packaging.

If the instrument is damaged or, after having tested it, fails to meet rated performances, notify the carrier and our company immediately.

Protect the environment!

Dispose of packaging properly, according to existing and applicable waste management rules and regulations.

2.2 Notes on the Instruction Manual

This Instruction Manual included is necessary for the correct installation and operation of the instrument.

We recommend keeping the manual in good conditions, ready to be consulted by the qualified personnel who use the instrument.

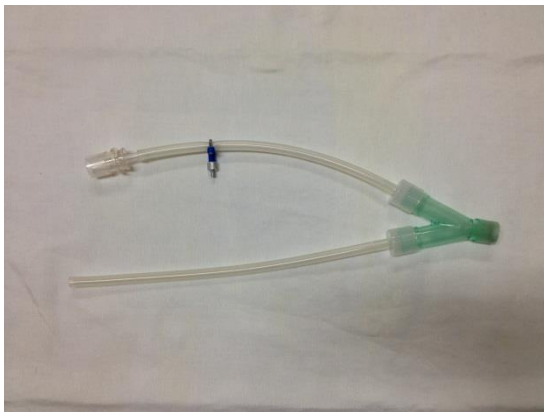
Free of charge copies of the instruction manual are available upon request

2.3 Assembling the System 1

1. The surgery table includes one surgery table, pre-mounted mask system with and a mask (Diameter 2,8 cm for mice/rats) and a hose system. This one must be connected to an existing gas evacuation system such as the currently used Aldasorber1400 g or the Dräger AGFS Wall mount system. Included is also a replacement set with a small mask for mice.



2. Connect the green hose to the gas outlet of the anesthesia machine
3. We include also a silicone hose set with a Y-piece. This set is used for the gas evacuation and has to be connected as follow:
Connect the silicone hose with the plug to the gas outlet coming from the mask.
The longer hose must be attached to the down draft evacuation outlet above.
We included also a blue hose regulator on the hose coming from the mask side. This regulator helps to regulate the evacuation of the excessive anesthesia gas.

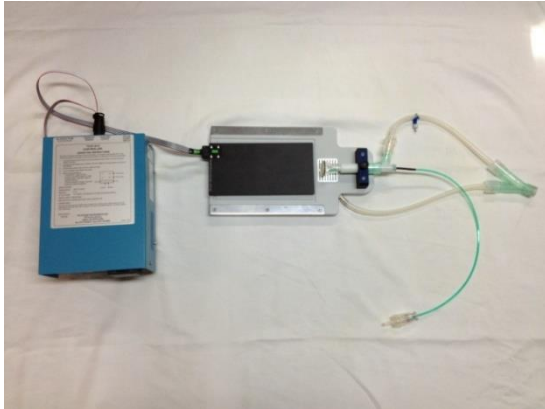


4. On the upper and lower side of the surgery table we mounted a magnetic metal strip. Retractors and other accessories are available from the company Fine Science Tool FST. Enclosed you find some information about ordering.
www.finescience.de
5. Replacement set with small mask for mice Diameter 2,2 cm
We included also a latex sheet with a small mask for mice and two o-rings for replacement.



2.3A Assembling the System 2

1. The System 2 comes with the surgery table plate and accessories as well as the Physitemp Temperature Controller T-CAT System with rectal probe for mice.



Please connect the surgery table according the instruction above
Assembling System I Step 1 – Step 5

2. Enclosed you find the Temperature Controller unit T-CAT, a power supply cable with Euro plug, the heating pad and the rectal probe for mice



According the picture down below connect these cables together and place the heating plate directly to the surface of the surgery table.



3. To obtain an optimal heating temperature for the mice, the rectal probe must be placed at any time. If you can't use the rectal probe for any reason you must place the rectal probe on the heating surface with a scotch tape. This procedure is normally not allowed due to the animal protection issue.



4. The Physitemp Temperature Controller is easy to use. In the back of the controller there is a on/off switch. For further details please consult the manufacturer's manual

2.4 Safety Consideration

- a. Check all connections and parts before use, make sure there is no leakage
The use of scavenging canisters is compulsory, unless the anesthesia system is connected to a flow hood or another scavenging system is in use

3 NOSE-CONE/FACE MASK INSTRUCTIONS

3.1 General Information

Since rodents are obligatory nose breathers in the sternal recumbence, it is sufficient to insert only the subject's nose into the fresh gas reservoir.

The diaphragm can be cut appropriately using a pair of delicate sharp/sharp scissors (see following section for details). A circular hole has to be cutting the diaphragm and it needs to be small enough such that the diaphragm forms a tight seal around the subject's muzzle. A separate manual how to do it is enclosed with the mask kit.



Figure 12: "Nose-Cone/Face Mask"

IMPORTANT: do not cut a cross "+" or an "X" in the diaphragm for the Subject's nose because diaphragm will not seal properly around the subject's muzzle and anesthetic gases will escape into the work space.

Just cut a circular hole.

If the rodent is in the dorsal recumbence, it is recommended that the subject's nose and mouth be inside the fresh gas reservoir, because in this position there is a risk of the subject breathing through its mouth. If the mouth is outside the fresh gas reservoir and the subject is allowed to breath room air through its mouth, the level of anesthetic will be diluted with room air and the subject may not be sufficiently anesthetized.

3.2 Replacing the “0” Ring and the Diaphragm

The silicone “0” ring holds the diaphragm material in place on the nosecone/face mask fresh gas reservoir. Silicon is more resistant to photo degradation and oxidation than latex.

However, when it becomes cracked or broken and will no longer hold the diaphragm material in place, it is time to change the “0” ring.

An extra “0” ring comes with each kit. Additional “0” rings can be purchased separately.

To replace a defective diaphragm material, follow the steps below:

1. Roll the “0” ring out of the groove of the nosecone/face mask
2. Discard the flawed diaphragm material
3. Stretch the new diaphragm material over the end of the nosecone/face mask, by holding the new latex diaphragm material with thumb and forefinger of one hand
4. Reinstall the “0” ring over the new diaphragm material and allow it to rest in the groove in the fresh gas reservoir. Make sure that there is no gap around the periphery of the diaphragm where trace anesthetic gases might escape
5. Pull the diaphragm material around the edges to smooth out the diaphragm and create a slight tension on the diaphragm
6. Using a pair of delicate sharp/sharp scissors, cut off the excess diaphragm material from around the “0” ring. Save the rest of the new diaphragm material for subsequent diaphragm replacements
7. Using delicate sharp/sharp scissors cut a circular hole in the diaphragm the appropriate size of the subject’s nose and /or nose and mouth. Position the circular hole in the diaphragm such that when the subject’s nuzzle is placed in the diaphragm, the subject’s head is relatively level with its body. The fresh gas reservoir can be rotated on its axis to ensure that the orifice in the diaphragm is in the proper position.

4 MAINTENANCE

While any service of the instrument is to be carried out by *Rothacher-Medical GmbH* personnel or by qualified personnel, authorized by *Rothacher-Medical GmbH* organization, this section of the instruction manuals describes normal maintenance procedures which can be carried out at the customer's facilities.

4.1 Cleaning

Disinfect the surgery table, etc. with 70% Ethanol and rinse with water.

Please contact the manufacturer for any question you may have:

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