



Guideline for use of anesthesia equipment

Connection of flowmeter (O₂+Air) and vaporizer:

A mixture of 1/3 O₂ and 2/3 air is recommended.
The flow meter is to be connected to pressurized air/O₂ at 3-5 bar.

Setting of flow and isofluran:

- **Induction box for rats:**
7-800 ml/min flow and approx 4.5% isoflurane
- **Induction box for mice:**
5-600 ml/min flow and approx 4.5% isoflurane
- **Face mask for rats:**
350 ml/min flow and approx. 2% isoflurane
- **Face mask for mice:**
260 ml/min flow and approx. 2% isoflurane



NB! When the animal is well under anesthesia turn off the isofluran supply and open the box approx. 1 cm for 10-15 seconds to allow the gas exhaust unit to empty the box, and then open the box completely to take out the animal.



AQM Anesthesia Gas Detector

The AQM is a combined gas detector, monitor and alarm device. It alarms if anesthesia gas is detected – even very low levels of anesthesia gas will be detected.

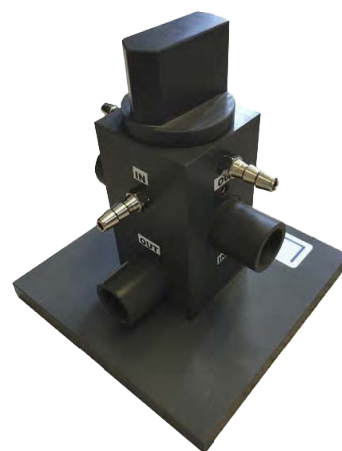
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Face mask connected to inner tubing for gas supply and outer ribbed tubing for evacuation of surplus gas offering full protection of staff even when working directly on bench top.



GEX Gas Exhaust Unit with Actisorb filter ensuring active evacuation of unused and exhaled gas.



You use the UNO 3-way-valve to switch between supply and evacuation of gas to induction box / face mask. Before changing to another position, remember to turn off the isofluran supply. When the valve is in the new position, remember to set the isofluran concentration and the flowmeter correctly.

NB! The above are guidelines which will vary with strain, type and size of animal. Remember always to watch the animal carefully. Please also consult the manuals included for each piece of equipment before using the equipment the first time!

Active evacuation of unused/exhaled gas options

We offer 2 options

1. The GEX Gas Exhaust Unit is available in 2 configurations. The GEX is simple and easy to use:
 - a. With Actisorb filter ensuring that the evacuated gas is filtered through a carbon filter and can be recirculated back to the room evacuation of unused and exhaled gas. The Actisorb filter must be replaced when it has gained 200 grams in weight.
 - b. Without Actisorb filter for evacuation to room exhaust.
2. The UNO Scavenger Exhaust unit comes with integrated balance that weigh the Actisorb filter and alarms when it is time to change filter. It is also possible to adjust the exhaust volume on this unit should you want to connect more devices that needs evacuation simultaneously.



Face mask options

We offer several options:

1. Face mask for mouse: The smallest mask
2. Face mask for rat: Larger mask which can be used for both rats and mice
3. Multi face mask which allows you to maintain up to 4 mice or rats under anesthesia simultaneously.

The UNO face masks are all designed with double tubing connections: inner tubing for supply of anesthesia gas and outer tubing for active removal of unused / exhaled gas at source. Made of transparent polycarbonate.

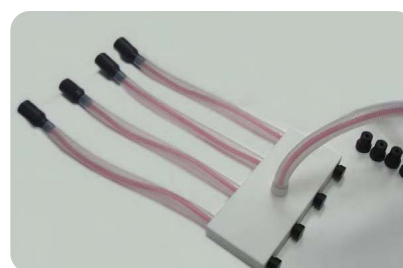


Photo only for illustration. The face masks are all made of transparent polycarbonate.



Induction boxes

We offer 4 standard sizes and custom sizes on request:

1. Mouse induction box

Int. dim: 150 x 100 x 70mm 170 / ext dim: 70mm 170 x 120 x 95mm

2. Rat induction box:

Int. dim: 250 x 130 x 90mm / ext dim: 270 x 150 x 115mm

3. Rabbit induction box

Int. dim: 410 x 205 x 268mm / ext dim: 430 x 225 x 293mm

4. Open round mouse induction box for multiple mice

Int dim Ø x H 120 x 140 mm/ ext. dim ØxH 150 x 259mm

5. Custom size induction boxes on request



The standard induction boxes (1-3) are made in 10 mm thick red acrylic material with an inlet hose connector at bottom level and at the opposite end an outlet $\varnothing 23$ mm (at the level of the lid) for evacuation of unused / exhaled gas.



The open mouse induction cylinder (4) is made of transparent acrylic material. The upper part of the cylinder is double walled with holes on the inside and 3 evacuation point connections on the outside. An inlet hose connector at bottom level insures that anesthesia gas is supplied. The anesthesia gas is heavier than air and will stay low in the area below the double walls. Once it reaches the double wall area, the surplus will be evacuated. This cylinder will allow you to keep a group of mice under anesthesia, taking one mouse at a time without having to empty the induction cyclinder.