

# Mouse and Rat Intubation Kit

## User's Guide



### Included Equipment:

- Mouse or Rat Intubation Platform
- Mouse Intubation Stand with adjustable head positioning
- Anesthesia mask for anesthesia delivery during intubation
- Anesthesia mask tubing and connectors
- Fiber optic light and USB connection
- USB Cable and Light Source
- 5-pack 20G catheters
- Intubation Tube Safety Wedges
- Suture, 1-meter length
- Small spatula
- Small mirror
- Power supply

### Intubation Stand Assembly:

1. Connect the attached anesthesia mask to your anesthesia system using the included tubing and connectors.
2. Choose and prepare a catheter for intubation. If you wish to use an Intubation Tube Safety Wedge, please see page 2.
3. Using the included suture, secure an adequate length to the screws on top of the stand.
4. Suspend the anesthetized mouse or rat on the stand by sliding the suture beneath the upper incisors so that the animal's dorsal surface is against the stand.
5. Position the animal so that the base of the skull is aligned with the rotation axis of the upper platform.
6. Secure the suture material to maintain the animal's positioning on the stand.
7. Slide the anesthesia mask down to meet the rodent's muzzle.  
**Note:** *Ensure that the anesthesia mask is not exerting downward pressure on the animal.*
8. Gently rotate the upper platform to a 45 degree angle, or as needed to straighten the intubation pathway.  
**Note:** *This movement should mimic a natural rotation of the animal's neck. Adjust the length of the suture to reposition the height of the animal on the stand if necessary.*
9. Intubate the animal, following instructions for Intubation Using the Fiber Optic Guide Wire in page 3.

10. Once correct catheter placement has been verified, gently remove the animal by loosening the suture material.

**Note:** Support the animal to avoid displacement of the catheter during transportation to the ventilator.

### Intubation Tube Safety Wedges

The Intubation Tube Safety Wedge is designed to assist in insertion of the catheter into the trachea and minimizes the chances of inserting the cannula too deeply. During intubation, the wedge will guide the catheter tip to the proper location between the larynx and carina. Once placed, the tight fit ensures bilateral ventilation and reduces air leaks from around the catheter.



*Intubation Tube*



*Intubation Tube with Safety Wedge*

1. Remove a catheter and needle from the packaging.
2. Attach the Safety Wedge by inserting the catheter and needle through the wedge. Ensure that the wedge is tightly secured onto the catheter hub.

**Note:** To avoid damaging the catheter, attach the wedge before removing the needle.

### Intubation Using the Fiber Optic Guide Wire

1. Secure the catheter onto the handle by pressing the hub of the catheter lightly onto the tip of the handle.



*Note: Included catheter may differ from shown*

2. Rotate the collar on the handle to loosen it.



3. Insert the fiber optic cable through the catheter until the cable extends 3-5 mm past the end of the tip of the catheter.

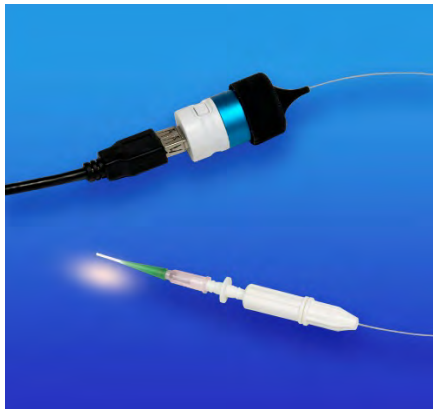


4. Rotate the collar on the handle to secure the positioning of the fiber optic cable.



5. Power on the light source by pressing the power button and attach the black fiber optic connector. The intensity of the light can be adjusted by repeatedly pressing the power button.

The black fiber optic connector is compatible with the included USB light source and spot light included as part of the optional Lighting Kit sold with the SurgiSuite Surgical Platform. The tip of the fiber optic will illuminate, allowing for easy visualization of tracheal opening.



*SurgiSuite includes an integrated fiber optic to provide lighting through the intubation tube.*

6. Using the included small spatula, gently maneuver the animal's tongue to the side until the tracheal opening can be visualized.
7. Intubate the animal, using the fiber optic as a guide. Insert the fiber optic cable until the catheter tip passes through the oropharynx.

8. Gently detach the catheter from the handle using the thumb and forefinger of one hand as shown below, while the other hand supports the animal to maintain the catheter's position in the trachea.



9. Place the included small mirror at the hub of the catheter to confirm correct placement in the trachea. If the animal is successfully intubated, condensation will appear on the mirror as the animal exhales.
10. Secure the positioning of the catheter if necessary.

#### Tips:

- The use of the intubation stand designed specifically for mice or rats will assist in straightening the trachea for visualization and easy intubation.
- Spraying the catheter and guide wire with 2% Lidocaine can be helpful to prevent laryngospasm, allowing the user to more easily pass the catheter into the trachea.
- Chilling the small mirror prior to use will increase the visibility of the condensation.
- Refer to your institution's regulations regarding repeated intubation.

#### Care and Maintenance:

- Handle the fiber optic cable with care to avoid bending the fiber.
- Catheters and Safety Wedges are disposable and intended for single use only.
- If desired, intubation tubes and safety wedges can be disinfected with 70% ethanol prior to use.
- The handle, adapters, and fiber optic guide wire can be cleaned between uses with isopropyl alcohol.

## Contact Information

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**This product is not designed, intended or authorized for use in human applications.**

## Product Warranty

The Mouse and Rat Intubation Kits have a one (1) year warranty including all parts and labor charges. This warranty does not cover damage by any cause including, but not limited to, any malfunction, defect or failure caused by or resulting from unauthorized service or parts, improper maintenance, operation contrary to furnished instructions, shipping or transit accidents, modifications or repair by the user, harsh environments, misuse, neglect, abuse, accident, incorrect line voltage, fire, flood, other natural disasters, or normal wear and tear. Changes or modifications not approved by Kent Scientific Corporation could void the warranty. The foregoing is in lieu of all other expressed warranties. Kent Scientific Corporation does not assume or authorize any party to assume for it any other obligation or liability.

## Satisfaction Guarantee

Should you experience difficulty with the Mouse or Rat Intubation Kit, our Technical Support Group will assist you in trouble-shooting and determining if the product needs to be returned to our facility. We will issue you a Return Manufacturer Authorization (RMA) number before the product is shipped back for repair. It is at the discretion of the manufacturer to replace or repair a defective part or product. Please call Customer Service at 888-572-8887 to obtain a Return Manufacturer Authorization number. Shipments without a RMA number will not be accepted. Please note that after our 30-day return policy period ends, we will be happy to assist you with your application, but cannot issue any credit or refund for a returned Mouse Intubation Kit.

Prior to shipment, please clean and decontaminate the product of any chemical, biological, or isotopic contamination. Please include a completed Product Return Form with the shipment. The form can be found on the final page of this User's Guide. For additional copies, call Kent Scientific Customer Service at 888-572-8887.



⇒ Product Return Form - Complete Steps 1 through 4



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**1**

Product Name: \_\_\_\_\_ Serial #: \_\_\_\_\_ RMA#: \_\_\_\_\_  
(in subject line of email)  
Product Name: \_\_\_\_\_ Serial #: \_\_\_\_\_  
Product Name: \_\_\_\_\_ Serial #: \_\_\_\_\_

**2**

Prior to returning equipment that may be contaminated with biohazardous materials, potentially biohazardous materials, or radioactivity; the user must first decontaminate the equipment being returned. The decontamination procedure will include the following, as appropriate:

**RETURNS WILL NOT BE ACCEPTED WITHOUT THIS INFORMATION**

Place an "X" next to the appropriate box

☐ This equipment has not been used in an area which would result in any biohazard or radioactive exposure.

☐ This equipment was appropriately decontaminated\* from any biohazardous materials with: \_\_\_\_\_



\*Example: Autoclave, 10% bleach, Ethylene Oxide, formalin, etc. (Please note that it is the user's responsibility to confirm that the method of decontamination used is appropriate). Instruments must be decontaminated externally and internally, if needed.

☐ This equipment was appropriately decontaminated and tested for radioactivity by: \_\_\_\_\_

\*Example: Wipe test with results (<sup>3</sup>H, <sup>14</sup>C, α-emitters), Geiger counts, etc.

**3**

If you are expecting a return or replacement shipped to you, please indicate the shipping address:

Institution: \_\_\_\_\_

Department: \_\_\_\_\_

Address Line 1: \_\_\_\_\_

Address Line 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Country: \_\_\_\_\_ Telephone: \_\_\_\_\_

**4**

Name: (print) \_\_\_\_\_ Telephone: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Return Product To: Kent Scientific Corporation  
1116 Litchfield Street  
Torrington, CT 06790 USA  
Attn: Returns/RMA #

Returns using a Kent Scientific account should be sent "standard ground" service only. Written permission is required to use any service other than standard ground. Unless prior written authorization is obtained, the sender will be responsible for additional costs associated with the shipment if it is not sent by standard ground.

**BEFORE SHIPPING THE PRODUCT: Fax or Email the completed form to 860-626-1179, sales@kentscientific.com**





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