

Kimberly-Clark

MIC-KEY* Low-Profile Gastrostomy Feeding Tube

DIRECTIONS FOR USE

The MIC-KEY* is a replacement low profile gastrostomy tube. It is available in diameters from 12 Fr. (4 mm) to 24 Fr. (8 mm) for stomas from 0.8 to 4.5 centimeters in length.

CAUTION:

The following complications may be associated with the use of gastrostomy tubes: hypergranulation, pulmonary aspiration, tract disruption, fistula formation, and gastric irritation. Report any redness, irritation, soreness or unusual drainage to your health care professional.

SIZE SELECTION

Selection of the correct size MIC-KEY is critical for the safety and comfort of the patient. Select the same French size as the previous gastrostomy tube. Measure the length of the patient's stoma with the MIC* Stoma Measuring Device (Figure 1). The shaft length of the MIC-KEY selected should be the same as the length of the stoma.

STOMA MEASURING PROCEDURE

The MIC-KEY shaft length is the distance in cm between the underside of the disc (Figure 1,D) and the top surface of the balloon (Figure 1,C) when the balloon (Figure 1,E) is filled with 5 ml of fluid.

Note: Work quickly to prevent tract constriction.

1. Moisten the tip (Figure 1,B) of the measuring device with water soluble lubricant or water.
2. With the patient in an upright position, gently insert the device through the stoma into the stomach. DO NOT USE FORCE.
3. Fill the balloon with 5 ml water or air (Figure 1,A).
4. Pull device outward until the balloon is against the inside of the stomach wall.
5. Slide the plastic disc down to the skin.
6. Read the number above the plastic disc.
7. Repeat steps 4 through 6 with the patient in the supine position.
8. An average of the two measurements is the correct length for the patient. If there is a question, choose the longer length.
9. Record the measured centimeter shaft length on the MIC-KEY Patient Information Card.
10. Remove the water or air in the balloon and remove the device.

MIC-KEY PLACEMENT PROCEDURE

1. Remove the MIC-KEY (Figure 2) from the package and fill the balloon (Figure 2,A) with 5 ml (3 ml for 12 Fr.) distilled or sterile water using the 6 ml luer slip Syringe from the kit. If the balloon (Figure 2,D) is asymmetrical, gently roll it between your fingers or your hands until the balloon frees itself.
2. Remove the water from the balloon.
3. Lubricate the tip of the tube with water soluble lubricant and gently insert the MIC-KEY through the stoma into the stomach.
4. Fill the balloon (Figure 2,A) with 5 ml (3 ml for 12 Fr.) of distilled or sterile water.

CAUTION: Never fill the balloon with air. Air will rapidly migrate out of the balloon and the MIC-KEY will not stay in place.

5. Check the MIC-KEY around the stoma for gastric leakage.

CAUTION:

Do not exceed 10 ml volume inside the balloon or 5 ml in the 12 fr sizes.

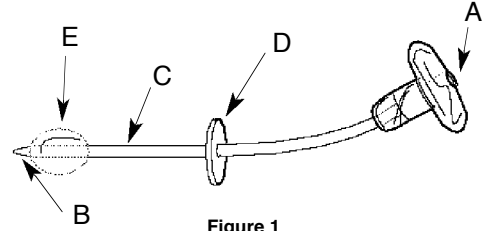


Figure 1

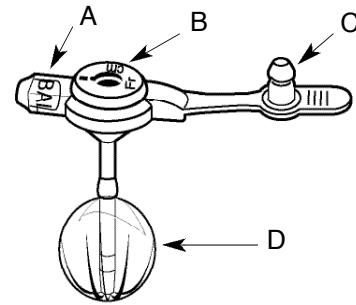


Figure 2

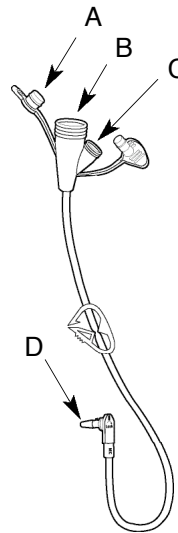


Figure 3

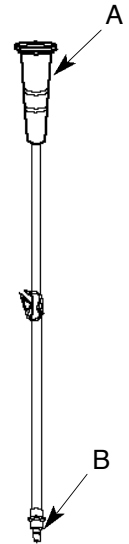


Figure 4

BOLUS AND SECUR-LOK* EXTENSION SET-UP

Use either the Bolus (Figure 4) or SECUR-LOK (Figure 3) Extension Sets for gastric feeding and gastric decompression.

1. Disconnect the plug (Figure 2,C) from the feed port (Figure 2,B).
2. Connect the SECUR-LOK (Figure 3) or the Bolus (Figure 4) Extension Set. Align the black line on the set (Figure 3,D or Figure 4,B) with the black line on the MIC-KEY (Figure 2,B) feed port.
3. Lock into place by pushing in and turning the connector CLOCKWISE until you feel a slight resistance (approximately a 3/4 turn). DO NOT turn the connector past the stop point.
4. To remove the extension set, rotate it COUNTER-CLOCKWISE until the black line on the extension set aligns with the black line on the MIC-KEY. Remove the set and replace the plug (Figure 2,C).

CHECK FOR TUBE POSITION AND PATENCY DAILY

1. With either extension set connected, attach the catheter-tip syringe containing 10 ml of water to the feed port (Figure 3,B or Figure 4,A). Aspirate gastric contents. The presence of gastric contents in the syringe confirms the correct tube position inside the stomach.
2. Flush with 10 ml water. Check for leakage around the stoma. If there is a leak, reconfirm proper balloon inflation. Also check the French size, stoma length, and placement.
3. If there is a question about proper tube placement, confirm the tube position radiographically. The MIC-KEY has a radiopaque stripe on the tube. Do not use contrast inside the balloon.
4. Start feeding only after confirmation of proper placement and patency.

FEEDING ADMINISTRATION

WARNING: Do not fill balloon with medications.

1. Remove the feed port plug (Figure 3,A).
2. If feeding with a syringe, connect the catheter tip syringe to the bolus extension feed port (Figure 4,A). Push firmly and twist 1/4 turn to secure the connection.
3. If using a feeding bag, purge the air from the bag and tubing. Connect the tubing set to the SECUR-LOK Extension Set (Figure 3,B). Push firmly and twist 1/4 turn to secure the connection.
4. Adjust the formula flow rate and administer the feeding.
5. Upon completion, flush the extension set and MIC-KEY with 20 ml warm water until the tubing is clear.
6. Disconnect the SECUR-LOK or the Bolus Extension Set and replace the MIC-KEY feed port plug (Figure 2,C).
7. Wash the extension set, and the catheter-tip syringe or feeding bag with warm soapy water and rinse thoroughly.
8. If feeding continuously with a pump, flush the MIC-KEY with 10 ml to 20 ml water every six hours.

DECOMPRESSION

1. Decompression may be done with either the Bolus or the SECUR-LOK Extension Set.
2. Attach the Bolus (Figure 4) or the SECUR-LOK Extension Set (Figure 3) to the MIC-KEY (Figure 2).
3. If using the SECUR-LOK Extension Set, remove the feed port plug (Figure 3,C). Drain the stomach contents into a container.
4. After decompression, flush the extension set and the MIC-KEY with 20 ml warm water.
5. Remove the extension set and replace the attached MIC-KEY plug. (Figure 2,C).

DAILY MAINTENANCE

1. Inspect the stoma site for redness, swelling, discomfort, or gastric leakage.
2. Rotate the MIC-KEY and gently clean the skin around the stoma.
3. Flush the MIC-KEY after each use with 10 ml to 20 ml water.
4. Verify balloon volume once a week. Correct balloon volume is usually 5 ml (3 ml for 12 Fr.). Aspirate all of the liquid from balloon and refill to the original prescribed amount.

BALLOON LONGEVITY

Precise balloon life cannot be predicted. Silicone balloons generally last 1–8 months, but the life span of the balloon varies according to several factors. These factors may include medications, volume of water used to inflate the balloon, gastric pH, and tube care.

REPLACEMENT PROCEDURE











1. Remove water from the balloon with a luer slip Syringe (Figure 2,A).
2. Rotate and gently remove the MIC-KEY from the stoma. Water soluble lubricant may help to remove it.
3. Replace the MIC-KEY following the steps described under Placement Procedure. MIC-KEY*, MIC* and SECUR-LOK* are trademarks of Kimberly-Clark or its affiliates.

SINGLE USE ONLY

WARNING: FOR ENTERAL NUTRITION AND/OR MEDICATION ONLY.

KIT CONTENTS:

- 1 MIC-KEY* Low Profile Feeding Tube
- 1 MIC-KEY* Extension Set with SECUR-LOK Right Angle Connector and 2 Port "Y" and Clamp-12"
- 1 MIC-KEY* Bolus Extension Set with Cath Tip, SECUR-LOK Straight Connector and Clamp-12"
- 1 6 ml Luer-Slip Syringe
- 1 35 ml Catheter Tip Syringe
- 4 Gauze Pads

 Quantity of Units in Dispenser	 Date of Manufacture	 Do Not Use If Package Damaged	REF Reorder Number
 Single Use	 Read Instructions	 Diameter	STERILE R Sterilized by Gamma Irradiation
 Length	LOT Lot Number	Rx Only (USA)	Use By
 Quantity of Units in Case	 DEHP (Di(2-ethylhexyl) Phthalate) Free Formulation		

* Registered Trademark or Trademark of Kimberly-Clark Worldwide, Inc. or its affiliates.
© 2003 KCWW. All rights reserved.

Manufactured by Ballard Medical Products, Draper, Utah 84020 USA
Distributed in the U.S. by Kimberly-Clark Global Sales, Inc. Roswell, GA. 30076 USA
Kimberly-Clark N.V., Belgicastraat 17, 1930 Zaventem, Belgium
<http://www.kchealthcare.com> In USA call 1-800-528-5591; International call + 1 801 572 6800