

ELECTRONIC FEEDING PUMP INSTRUCTIONS

Infinity Pump

Necessary Supplies

- IV pole
- Pump clamp/charger
- Infinity feeding pump
- Infinity feeding bag
- Formula
- Water

Before the Feeding



- Wash your hands, then clean your workspace with soap and water.
- If you are using liquid formula, wipe the top of the container with a damp paper towel before opening.
- If you are using powdered formula, prepare as instructed by your doctor or dietitian and store any excess in the refrigerator.
- Check the placement of the feeding tube as instructed by your doctor or healthcare team. If you suspect it has moved, do not put anything through the tube and contact your doctor.
- Flush your feeding tube with the recommended amount of water from your healthcare team.

Pump Setup

1. Attach the clamp to the IV pole by placing the clamp around the pole. Secure it to the pole by turning the large black knob (**Figure 1**).



2. Attach the clamp to the pump by inserting the small clamp screw into the opening on the backside of the infinity pump. Turn the gray wheel to tighten the screw. Make sure not to tighten it too much or the pump may crack.
3. **Charging the pump:** Insert the flat end of the charger into the designated port on the left side of the pump. Push the charger all the way into the pump until you hear a click. Plug the charger into a wall outlet. A green light located on the charger will light up to show that an electrical current is flowing into the pump. A plug symbol will appear on the display screen along with four bars scrolling from E to F. The bars will stop scrolling when the pump has finished charging. Note: Always review manufacturer guidelines for your pump.
4. Open the top of the feeding bag and pour the prescribed amount of formula into the bag. Close the top of the bag set and refrigerate any unused formula and then hang the feeding bag on the IV pole.

Pump Operations

1. Open the gray lid on the front of the pump by firmly pressing the small latch on the bottom of the lid and pulling up. This is where the tubing will be loaded. Be careful to only open the lid this way as the pump will not work if the lid is broken. Load the feeding bag onto the pump by looping the colored part of the tube around the black pump wheel (**Figure 2**). Some stretching is required but do NOT overstretch the tubing. Fit the clear plastic part of the tube snugly into the pump and close the gray lid.



2. Turn on the pump. Locate the ON/OFF button to the right of the screen. Press and hold it for 1-2 seconds to power it on.
3. You will need to prime the pump tubing, which removes the air from the tubing. To start priming, place the tip of the feeding bag over a sink or waste container. Remove the tip protector and set aside. Turn the bag set upside down and locate the hard plastic cassette with the teal colored loop. Gently squeeze the feeding bag while pinching



directly below the teardrop symbol on the colored part of the tubing (**Figure 3**). This will move the formula through the tubing. Holding the feeding bag in this position while gently applying pressure to the “teardrop” will “push” or remove the air from the tubing. Continue this until you see a few drops come out of the end of the tubing.

- o If you have difficulty with this technique you can use the pump to prime the tubing and remove the air. Press and hold the prime button on the pump and this will start the formula flowing and pushing out the air. You will need to continue to press the prime button until the formula reaches the end of the tubing. Make sure to continue holding over the sink or waste container until the air is removed. You do not want any air to enter the feeding tube.

Let’s Talk Hang Time

Formula hang time refers to the amount of time that formula can safely be stored in a pump feeding bag – or in other words, “hang” on the IV pole during pump feedings. The amount of hang time will depend on the type of formula.



- o Breast milk: 4 hrs.
- o Powdered formula mixed with water: 4 hrs.
- o Liquid formula out of container: 12 hrs.
 - Adding extra water or liquid to a liquid formula will reduce the hang time to 4 hrs.

Setting the Rate/ Dose

1. The word “Rate” will be displayed on the lower left-hand corner of the screen. Set the prescribed feeding rate by pressing the PLUS (+) or MINUS (-) buttons on the right-hand side of the pump until you have entered the prescribed feeding rate (**Figure 4**).
2. Dose means setting a specific volume the pump will infuse per feeding. To enter a dose, simply press the RATE/DOSE button until you see the word “DOSE” displayed on the lower left-hand corner of the screen.
 - **For continuous feeds**, press and hold the PLUS (+) button until the screen reads “INF” which is short for “Infinity.” This means the pump will continue to run as long as there is formula in the bag.
 - **For bolus or intermittent feeds**, use the PLUS (+) and MINUS (-) buttons to set the prescribed dose.



Figure 4



Starting the Feeding Pump

- o After you have flushed the tube with water, you are ready to insert the end of the feeding bag tip into the feeding tube, making sure it is secure. When you are ready to start the feeding, press the RUN/PAUSE button located on the right side of the screen. The word “Run” will appear on the screen to show the pump is running.

Safety Note: Never allow formula to dry inside of the feeding bag and tubing, as this may cause it to clog. Make sure to use a new feeding bag every 24 hours.

- o **Most insurances will cover one feeding bag per day.**

After the Feeding

1. Turn the feeding pump off by pressing the ON/OFF button and holding it for 1-2 seconds and disconnect the feeding bag from the tube.
2. Using a syringe, flush the tube with water.
3. If you are giving another feeding with the same feeding bag, add warm water to the bag and shake a few times and empty into the kitchen sink. Then adding more water to the bag, hold the tip of the feeding bag over the sink, use the teardrop technique to manually rinse the water through the bag and tubing until the water runs clear.
4. Once the water has flushed out the remaining formula, cover the tip of the feeding bag with the tip protector and let the bag air-dry.

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