

# Enteral feeding with the 224 pump

## Your Feeding Plan

Type of Feeding Tube:\_\_\_\_\_ Formula\_\_\_\_\_

Rinse with \_\_\_\_\_ml water every \_\_\_hours, before and after medications placed in feeding tube, before feedings are started and after stopped.

Feeding regimen:\_\_\_\_\_

**\*\*PLACE ICE PACK TO OUTSIDE OF SET IF > 6 HOURS OF FORMULA\*\***

### I. Set up of Formula

1. Wash hands. Prepare work area.
2. Close the roller clamp on the tubing of the feeding bag.
3. Shake can of formula well then pour amount specified by your doctor, into bag.
4. Hang bag up. Insert bottom of drip chamber into lower drip chamber guide. (A)
  
5. Insert top of drip chamber into upper drip chamber guide
6. Take cap off red end of feeding bag tubing
7. Open roller clamp until formula comes through tubing and let a few drops of formula drip out of end of tubing. Do not over-fill the drip chamber.
8. Close the roller clamp.

9. Grasp silicone tubing and gently stretch around roller. Insert retainer disc into retainer lock (B). Thread tubing over tubing guide (C).

## **II. Flush feeding tube before hooking up to bag/tubing.**

1. Draw up 60 cc water into syringe, connect to feeding tube and slowly flush.
2. Connect end of tubing to feeding tube.
3. **Open the roller clamp.**

## **III. Starting pump**

1. Press ON
2. Wait while pump performs system check.
3. Set rate by turning Rate Control Knob on side of pump .
4. Press START/HOLD. Dots will flash across the top of display screen, and the rotary wheel will turn intermittently when pump is running.

## **V. Ending feeding.**

1. When feeding is complete, turn pump off.
2. Flush feeding tube with 60cc water and close end of feeding tube.
3. If you meet resistance when flushing, use the clog zapper.

## **VI . Bag Cleaning.**

1. Wash bag after every feeding or every 24 hours with hot, soapy water. Rinse with hot water until the water runs clear.
2. Discard bag after 48 hours of use.
3. Discard syringe after 7 days of use.

## **VII. Pump Battery.**

A fully charged battery will operate approximately 24 hours at 125cc/hr. Approximately 15 minutes prior to battery discharge a low battery alarm will occur.

When complete discharge occurs, the pump will automatically turn itself off. A fully discharged battery will take 15hours to recharge.

Symptom	Probable Cause	Corrections
Flow Error Alarm (FLO ERR)	Feeding container is empty.	Refill feeding container. If bag has been in use for 24 hours, replace
	Feeding tube or feeding set tubing is occluded.	Locate point of occlusion and correct. Note: occlusion may occur upstream or downstream from pump. Feeding Container Feeding Pump Set (control clamp closed) Feeding Tube-patency of feeding tube should be checked.
	Drip chamber is improperly placed in pump.	Check to make sure drip chamber is properly “locked” in position in drip chamber guide.
	Drip chamber walls are coated with feeding formula.	Check to make sure formula is not preventing detectors from proper operation. If formula cannot be removed from inside walls of chamber via chamber manipulation, replace set.
	Sensors in upper drip chamber guide are blocked	Check to make sure detectors are free of dried formula. Remove any deposits by using a cotton swab dampened with warm soapy water.
Low Battery Alarm (Lo bAt)	Battery has been run down below point of maintaining accuracy of pump.	Plug pump power cord into wall outlet.
Hold Error Alarm (Hld Err)	Pump has been left in the hold mode for over 2.5 minutes	Press START/HOLD to silence alarm, then press START/HOLD again to restart pump.
No Set (no SEt)	Pump set has been improperly placed into pump	Check to make sure that retainer clip on pump set has been properly positioned into retainer lock on pump.
System Error Alarm (SYS Err)	Rotor may or may not be turning.	Return pump for technical service

## **TROUBLE SHOOTING**

### **DRIP CHAMBER MUST REMAIN UPRIGHT AT ALL TIMES OR IT WILL ALARM FLOW ERROR.**

*Overfilled drip chamber:* Disconnect drip chamber & tubing, squeeze extra formula out, reconnect tubing. OR. Empty formula out of bag, & tubing. Start refill process.

*Clogged Feeding tube:* Instill Clog Zapper as per instructions. If this doesn't resolve clog, call your home care nurse for further instructions.

*Dislodged Feeding tube:* Turn off feeding and contact nurse for instructions.

*Diarrhea and/or Cramps :* Call nurse if five or more liquid stools in one day. Nurse will review with MD to see if administration rate needs to be changed. Prevent bacterial contamination which could cause diarrhea: do not let formula sit out at room temp >6 hours, discard refrigerated formula after 24 hours, wash hands before touching feeding bag tubing or formula, clean and change tubing as instructed.

*Nausea, Vomiting or Reflux:* When removing formula from refrigerator, allow to come to room temp before using. Elevate shoulders and head 30 to 40 degrees or sit in recliner type chair during feeds.

*Thirst / Dry mouth:* Keep mouth clean with gentle brushing. Moisten lips with petroleum jelly or other lubricant. Rinse mouth with warm water or mouthwash at intervals during the day.