

Using the CADD Solis Pump for a Single Dose of Medicine

CADD Solis VIP Ambulatory Infusion Pump

Step One: Get ready

1. Find a clean work area. Disinfect the area with disinfectant wipes. Let it air dry.
2. Wash your hands for 20 seconds with liquid soap and water or hand sanitizer.
3. Gather these supplies:
 - New medicine bag
 - Alcohol pads
 - IV tubing (if it's **not** already attached to the medicine bag)
 - Four (4) AA batteries
 - One (1) syringe of saline solution (0.9% sodium chloride)

If you need help preparing the syringe, see the info sheet called [Flushing the Line with Heparin, Saline or Citrate](#).

If the CADD tubing is attached to the medicine bag, go to **Step Two**. If the tubing is not attached, follow these steps first:

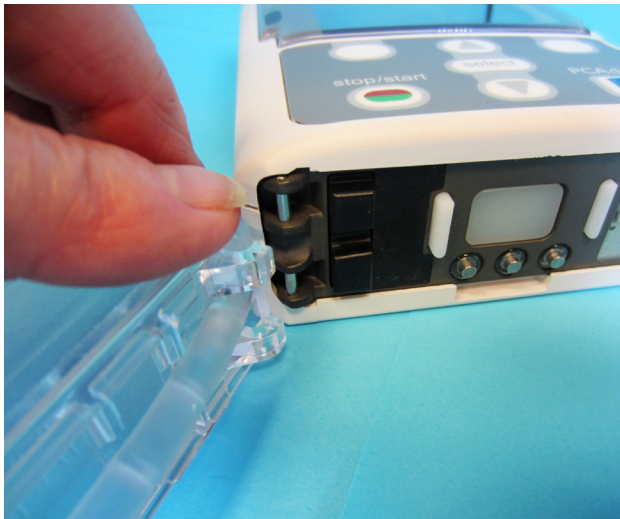
1. Take the tubing out of the package and close the clamp.
2. Take the cover off the port of the medicine bag.
3. Take the cover off the spike of the IV tubing. **Don't let either the port or the spike touch anything.**
4. Twist the spike into the port of the medicine bag.

Step Two: Attach a new medicine bag and tubing

1. Push the power button on the right side to turn on the pump. Make sure the clamp on the tubing is closed.
2. Open the cassette latch on the pump.



3. Remove the blue flow stop device by pulling upward. Insert the tubing cassette hooks into the hinge pins on the bottom of the pump.



Insert the tubing cassette hooks into the hinge pins on the bottom of the pump.

4. Swing the cassette to the latched position.



Swing the cassette to the latched position.

5. Stand the pump upright on a hard, flat surface.
6. Press down on the latch side of the pump so the cassette fits tightly against the pump.
7. Lift the cassette latch into the closed position. If it sticks when you try to close it, unlatch the cassette and try putting it on again.



Lift the cassette latch into the closed position.

Step Three: Reset the reservoir volume

If “Reset reservoir volume to ____ ml?” appears on the screen, select Yes.



If “Reset reservoir volume to ____ ml” appears, select Yes.

Step Four: Prime the tubing, if needed

“Prime tubing?” will appear on the screen:

If your medicine bag came with tubing attached:

1. Select **No**. The screen will then say, “Start pump?”
2. Select **No** and go to **Step Five**.

If you attached the tubing to the medicine bag, you’ll need to run the medicine until it drips out the end of the tubing. This is called “priming” the tubing. (Note: Never prime the tubing while it’s attached to your IV line. Disconnect it from the line first.)

Follow these steps to prime the tubing:

1. Open the clamp on the IV tubing. “Prime tubing?” will appear on the screen.
2. Select **Yes**. You’ll see this message: “Disconnect tubing from patient, open clamps, then press ‘Prime’.”
3. Select **Prime**. During priming, hold the filter with the arrow pointing up. This lets the filter fill with fluid and removes the air.



Hold the filter with the arrow pointing up.

4. When the medicine reaches the end of the tubing, and there are no more air bubbles, select **Stop priming**. (If “Continue priming?” appears on the screen, select **No**.)
5. “Start pump?” will appear on the screen. Select **No**.

Notes:

- Don’t prime the tubing when it’s attached to your IV line.
- If priming stops before all the air is gone from the tubing, select **Yes** at the “Continue priming?” prompt. Wait until all the air bubbles are gone. Then select **Stop priming**.

Step Five: Check the reservoir volume

1. Check that the Reservoir Volume number matches the “Res Vol” number on the medicine bag label.



The Reservoir Volume number is in the top left corner in the status bar. The screen will show that the pump is programmed for “Continuous” mode.

2. If the volumes don't match, follow these steps to reset the reservoir volume by hand. (**Note:** If you primed the tubing, your pump may be 10 to 20 ml lower than the amount listed on the bag. In this case, you **don't** need to reset the volume—skip to **Step Six.**)
 - a. Select **Tasks**.
 - b. Select **Reset Reservoir Volume**. "Reset reservoir volume to ____ ml?" will appear.
 - c. Select **Yes**.
 - d. Select **Back** to return to the home screen.
 - e. Check if the reservoir volume on the screen matches the "Res Vol" on your medicine bag.
 - f. If the reservoir volumes match, you're ready to go to **Step Six: Infuse your medicine**.
 - g. If the volumes still don't match, call your Home Infusion team. **Don't** infuse your medicine.
8. Insert the tubing into the end cap on your IV line. Twist to secure the tubing, just like your nurse showed you.
9. Open the clamp on your IV line, if it isn't already open.
10. Begin the infusion:
 - Press the stop/start button. "Start pump?" appears on the screen. Select **Yes**.
 - The word "Running" will appear in the status bar at the top of the pump screen, and the green light will blink while the pump is infusing. The screen will also show that the pump mode is "Continuous."
11. Put the pump in the carrying case, if you have one.

Step Six: Infuse your medicine

1. Set the pump and medicine bag aside.
2. Use a fresh alcohol pad to scrub the end cap on your IV line. Scrub for 15 seconds and let air-dry.
3. Twist on the syringe of saline solution (0.9% sodium chloride).
4. Open the clamp on your IV line, if you have one. "Pulse" flush your IV line with the saline solution.
5. Close the clamp on the IV line, if you have one. Twist off the syringe.
6. Use a fresh alcohol pad to scrub the end cap on your IV line again. Scrub for 15 seconds and let air-dry.
7. Twist the plastic cover off the end of the medicine tubing. **Don't touch the end of the tubing.**



Step Seven: End your infusion

1. Clean your work surface and wash your hands the same as you did for **Step One**. If your pump is in a carrying case, take it out.
2. Gather these supplies:
 - Alcohol pads
 - One (1) syringe of saline solution (0.9% sodium chloride)
 - One (1) syringe of heparin or citrate, if needed (_____ ml _____ unit/ml)

If you need help preparing the syringes, see the info sheet called [Flushing the Line with Heparin, Saline or Citrate](#).

3. Press the “Stop/Start” key on the pump. “Stop the pump?” will appear on the screen.
4. Select **Yes**.
5. Close the clamp on your IV line, if you have one.
6. Close the CADD Solis Administration Set tubing clamp. Hold the end cap and twist off the CADD tubing.
7. Use a fresh alcohol pad to scrub the end cap on your IV line. Scrub for 15 seconds and let it air dry.
8. Twist on the syringe of saline solution.
9. Open the clamp on your IV line, if you have one. “Pulse” flush your IV line with the saline solution.
10. Close the clamp on the IV line, if you have one. Twist off the syringe.

11. If you were told to flush your line with heparin or citrate, follow these steps: (Otherwise, skip to **Step 12**.)
 - a. Scrub the end cap with a fresh alcohol pad for 15 seconds.
 - b. Twist on the heparin or citrate syringe.
 - c. Open the clamp on your IV line, if you have one.
 - d. “Pulse” flush your IV line.
 - e. Close the clamp on your IV line, if you have one. Twist off the syringe.
12. To disconnect the used CADD set tubing, pull down on the cassette latch until the cassette comes off.



Pull down on the cassette latch until the cassette comes off.

13. Remove the medicine bag and cassette from the IV line and throw them away.
14. Turn off the pump.

Your home care nurse will tell you when you need to change the batteries in the pump.

If you need help changing the batteries, see the info sheet called, [Putting New Batteries in the CADD Solis Pump](#).

Always remember to:

1. Wash your hands before touching supplies.
2. “Scrub the hub”—clean the end cap on your IV line for 15 seconds before connecting to it.