

Going home with a CADD Pump - Chemotherapy Medication

The CADD pump is used to give medications such as chemotherapy into your vein. The pump can run either all the time (continuous) or regular (intermittent) intervals of time. It uses small batteries to run.



Your medication/chemotherapy the pump is giving is called:

Your chemotherapy will run over this length of time:

- Your health care provider can give you information about this medication and what to watch for while taking this medication.
- You will have this medication or chemotherapy started at the hospital. Future appointments are in Oncology Day Services to either change the medication cassette or to disconnect the pump.

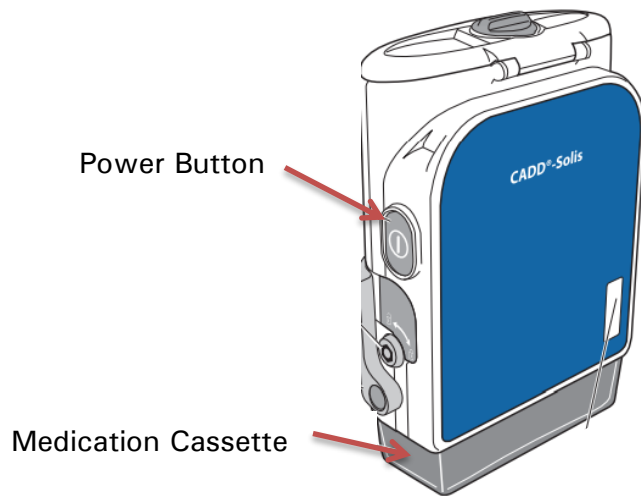
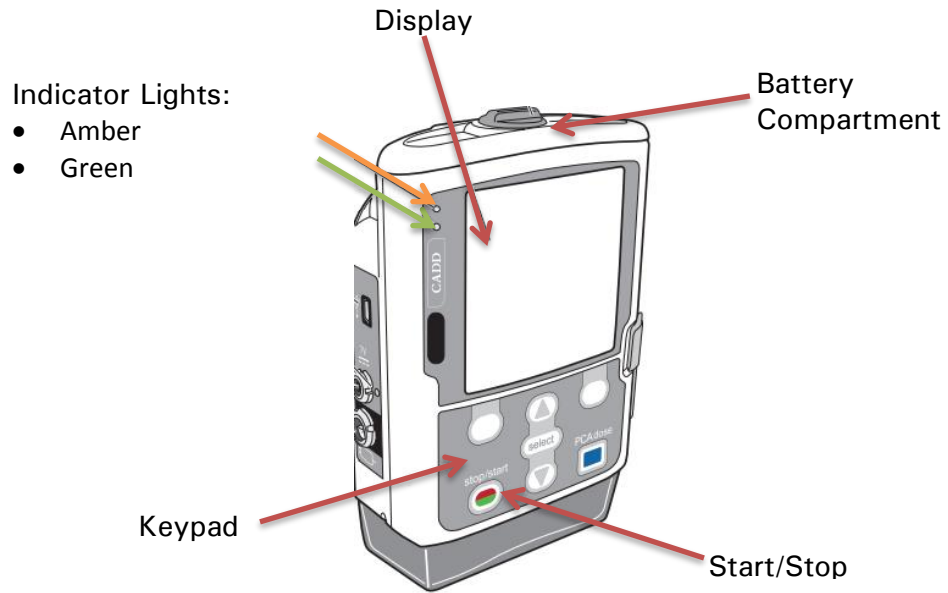


**Important
Information**

This is a very expensive piece of equipment. You are responsible to keep the CADD pump safe.

You will need to sign a form accepting that responsibility before you leave the hospital.

Parts of the pump



How do I know the pump is working?

Hold the pump so the screen is facing you. The indicator lights are on the front of the pump in the top left hand corner.

Green light

- The green light flashes when the pump is running and delivering medication.

Amber light

- Flashing — the pump is stopped, an alarm exists, or the battery or the reservoir volume is low.
- Steady — pump is not working, call your health care provider.

Note: At times both indicator lights may flash. This means that the pump is running, but there is a problem that needs attention soon. The problem could be a low battery or low reservoir volume.


The screen is blank until you press a button. When the screen is on, it will have a:

- red bar at the top that says: “Stopped” on it if the pump is not running
- green bar at the top that says “Running” when the pump is running.

How do I stop the pump if I need to?

Do not stop the pump unless directed by a health care provider. Stopping the pump stops the delivery of medication.

To stop the pump:

1. Press the stop/start  key on the pump.
2. When “Stop Pump?” appears on the screen, select Yes.
3. The pump stops running. The green “Running” message in the status bar changes to a red “Stopped” message, and “Pump is stopping...” appears briefly.



How do I start the Pump again if I need to?

Press the “Start/Stop” button on the front keypad of the pump. This will start a pump that is stopped. A question will come up on the screen: “Start Pump?”, choose the “yes” option.



The indicator light will go green and the pump will have a green bar at the top of the screen that says “Running”.

Powering the pump on and off

To turn on the pump, press and hold the power switch.

As the pump powers on, it does some self-tests.

- When power up completes, 6 beeps sound. Contact your health care provider if you do not hear the beeps, as there may be a problem with the alarms.
- If any issues are detected during power on, alarms will sound or be displayed. If the alarms continue after you follow any on-screen help text, contact your health care provider.

To turn off the pump, press the power switch.

If the pump is running a message will appear on the screen “Stop pump?” press the Yes button. A second message will appear on the screen “Power down?” press Yes. The pump then powers off.

When the pump is powered off:

- The display is blank.
- Keypad presses are not detected.
- Medication is not delivered.

Can I get the pump wet?

No, do not get the Pump wet. Do not take a shower or go swimming while the pump is connected. If the pump accidentally becomes submerged, quickly dry it off and call your hematologist contact and they will direct your next steps.

What do I do if the pump alarms?

This depends of the type of alarm that happens. There will be a “silence” or “acknowledge” option you can press. I


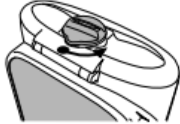

1. When an alarm occurs, select “Silence” to quiet the alarm for up to 2 minutes. More information may be on the pump display with certain alarms.
2. If help screens are available for the alarm, “Help” appears above the right soft key. To view the help screens, select Help.
3. Follow the instructions provided on the help screen. To page through all available help screens, select Next to advance to the next page, where available.

If you cannot resolve the alarm by following the help screens, contact your health care provider.

What can you do if the pump alarms?

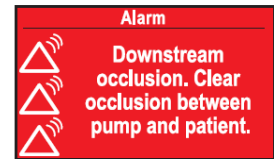
Low battery

Your pump batteries will be changed every visit, so they should not go low at home. However, If you need to change the batteries:

- Make sure the Pump is stopped and powered off. Press the stop/start  key on the front of the pump. When “Stop Pump?” appears on the screen, select Yes.
- Turn the pump off by pressing the “power” button on the side of the pump. When “Stop Pump?” appears on the screen, select Yes.
- Turn the knob on the Battery compartment counter-clockwise and open the Battery Compartment door. 
- Replace the 4 AA batteries lining up the + and – markings on the new batteries with the markings on the pump (if the batteries are put in wrong, the pump will not turn on). 
- Close the Battery Compartment door and turn the knob clockwise to lock it
- Press and hold the “power” button on the side of the pump to turn it on. The pump will run through some checks when it turns back on. If it alarms any errors, call your hematologist as you may need to come in and have the pump looked at.
- On some models, the pump will ask, “Do you want to start a new patient?”, choose “no” (if you accidentally press “yes”... just power the pump off and restart the process).
- Press the “Start/Stop” button on the front of the screen. You will be asked “Start Pump?”, choose “yes”. You will be asked, “continue infusion”, choose “yes”.

Line blocked

- This is called a “Downstream Occlusion”.
- Stop the pump with the “Start/Stop” button on the front of the keypad. Clear the blockage (such as unkink the tubing) and press the “Start/Stop” button to restart the pump.



Reservoir volume low

- The reservoir volume alarm will occur when the medication is still running but almost out. You will have about 4 hours before it is empty and changes to a “Reservoir Volume” empty alarm. You can choose the “acknowledge” option to silence the alarm .
- If your appointment is not scheduled within the next couple of hours, call your hematologist contact number.

Reservoir volume empty

- When the reservoir volume is empty, the pump will not run. You can choose “acknowledge” to silence the alarm but you must call your hematologist and come into the hospital to have this problem fixed. If you are unsure of what to do or cannot stop the alarm, call your hematologist contact and they will direct your next steps.

What do I do if the pump leaks?

If the pump becomes disconnected, stop the pump by pressing the “start/stop” button on the keypad. Note- the screen is blank until you press a button. When the screen is on, it will have a red bar at the top that says “Pump Stopped” on it if the pump is not running. If you have chemotherapy leaking, use the spill kit you were set home with.

See the handout: “Anti-Cancer Drug Safety at Home” for instructions (some instructions are also in the spill kit).

Call Your Hematologist's Office (or the on-call number if after hours) if:

- You see blood in the tubing.
- Your dressing becomes damp or wet.
- The pump is leaking.
- You are having problems from the medication or chemotherapy you are getting.
- If you have a fever (a temperature of 38°C or higher) or are feeling unwell.
- The pump is alarming and you cannot get it to stop.
- If there is redness, swelling, pain or leaking where the needle goes into your body.
- You are concerned and do not know what to do.

The hematologist may have a nurse call you back or they may direct you to come into either Oncology Day Services or go to the Emergency Room at the hospital.