

Having chemotherapy through a CADD[®]-Solis VIP Pump

What is a CADD[®]-Solis VIP pump?

A CADD[®]-Solis VIP pump, is a pump with a disposable plastic cassette, that is filled with chemotherapy. It is used to give chemotherapy continuously over a timeframe of 24 hours to 7 days. The pump will allow you to have your chemotherapy at home.

How does the pump work?

- The pump is connected to a central venous access device (CVAD) such as a PICC line, Hickman[®] line or a port-a-cath[®] (port).
- It is battery operated and uses four AA batteries.
- The pump controls the rate your chemotherapy is delivered.
- Your nurse will program the pump to deliver the chemotherapy your doctor has ordered.
- The pump will then be locked. This means that the settings cannot be changed by accident or when the battery is replaced.
- Your nurse will tell you when your pump should be complete. If your pump finishes before your appointment time, contact your clinic.
- When the pump is finished, your nurse will disconnect it. Your line or port will be flushed and redressed. If you need more chemotherapy, a new pump will be connected.

Day to day activities

- You will be given a small bag to carry the pump in. You can wear this around your neck or waist.
- The pump is water resistant, but not waterproof. To shower, cover your dressing with plastic and place your pump in a plastic bag to keep it dry.
- You can do light exercise, such as walking. Avoid any vigorous exercise and do not go swimming.
- The pump can be damaged if it is dropped or hit. Try to avoid dropping the pump.

How do I know the pump is working?

- You will see a green light flashing on the left side of the screen.
- You may be able to hear a low 'whirring' sound or you can see the reservoir volume on the screen slowly decreasing.



If the CADD pump or tubing is damaged or leaking; stop the pump, turn it off and contact your doctor or nurse.

- If there are any special messages you need to be aware of, the pump will alarm and an orange light will flash on the left side of the screen (see alarms and problem solving).
- You must check your line or port needle once a day for any fluid leaking, redness, pain or swelling.
- If you have a port, press down gently on the needle with your index finger to check it is in place. You may be able to feel the needle touch the back of the port. The needle should feel firm and not wobble or move.

! Important

Contact your doctor or nurse if you have:

- a temperature of 38°C or higher
- shortness of breath
- chest pain or fast heartbeat
- a burning sensation or any redness, pain or swelling around your line or port
- fluid leaking from the pump, tubing, or your line or CVAD
- your line or port needle has changed position or been pulled out.

If you can't contact your doctor or nurse, go to the nearest hospital emergency department for help.

How do I stop the pump and turn it off?

There may be times when you need to stop and turn the pump off at home. For example if your pump finishes before your appointment time or to change the battery.

1. To stop the pump, press the **STOP/START** key.
2. When "Stop Pump?" appears on the screen, select **Yes**.
3. "Stopped" will appear on the screen.
4. To turn the pump off, press and hold the power switch on the side of the pump. When "Power down?" appears on the screen, select **Yes**. The screen will go blank.

How do I re-start the pump?

1. To turn the pump on, press and hold the power switch on the side of the pump. The pump will run through a number of self-tests.
2. Press the **STOP/START** key.
3. When "Start pump?" appears on the screen, select **Yes**.
4. After a short time "Running" will appear on the screen. The pump is now running.

How do I change the batteries?

The pump uses four AA batteries. To change the batteries:

- stop the pump (see above)
- open the battery door at the top of the pump and remove the old batteries
- insert the new batteries, ensuring that the + and – signs match the signs inside the pump
- close the battery door and turn the knob clockwise to lock the door
- restart the pump (see above)

If the pump does not re-start, make sure the batteries have been inserted correctly.

What do I do if there is a leak, or my needle or line comes out?

- clamp the line immediately and put gloves on
- stop the pump and turn it off
- do not disconnect the pump
- place the pump in a plastic bag
- go to your nearest hospital emergency department

You will be given a spill kit to take home. This will have instructions on what to do if a leak occurs and equipment to use to clean the spill.

If the chemotherapy touches your skin, rinse the area with running water and wash with warm soapy water. If the chemotherapy goes on your clothing or linen, wash separately using a hot or cold wash at the maximum cycle, then line dry.

Alarms and problem solving

Usually the pump runs with no problems. However, sometimes the pump will beep or alarm to tell you a message.

Signal	"BATTERY LOW. Replace Battery" on the screen, an alarm and orange light.
Cause	The battery is low, but the pump is still working.
Action	Change the batteries as soon as possible.
Signal	"BATTERY DEPLETED. Pump Stopped" on the screen, an alarm and orange light.
Cause	The battery is too low to work the pump (the pump has stopped).
Action	Change the batteries as soon as possible.
Signal	"DOWNSTREAM OCCLUSION" on the screen, an alarm and orange light.
Cause	There may be a clamp on, or a kink in the tubing.
Action	Open the clamp or unkink the tubing and the pump will recommence working. You may need to restart the pump. If this does not work call your clinic.
Signal	"RESERVOIR VOLUME LOW" on the screen, an alarm and orange light.
Cause	The chemotherapy in the pump is running out.
Action	Let the pump keep running until RESERVOIR VOLUME IS ZERO appears on the screen. Press "Acknowledge" to stop the alarm.
Signal	"RESERVOIR VOLUME IS ZERO. Pump Stopped" on the screen, an alarm and orange light.
Cause	The chemotherapy in the pump has run out and the pump has stopped.
Action	Press "Acknowledge" to stop the alarm. Press the STOP/START key to turn the pump off. Your nurse will remove or replace the medication cassette.
Signal	"AIR IN LINE DETECTED" on the screen, an alarm and orange light.
Cause	There is air in the line.
Action	Press "Acknowledge" to stop the alarm. Press the STOP/START key to turn the pump off, and call your clinic for further instructions.



For any other alarms or messages, contact your clinic.

Contact numbers:

Daytime:

Night/weekend: