

Ambulatory infusion pump CADD-Legacy® PLUS pump



**Information sheet for users
and their family members**

Your doctor has prescribed an intravenous drug that will be administered at specific times via a portable pump that connects to your catheter with a tube. You will be able to receive your treatment at home via the infusion pump. We encourage you to take an active role in your treatment plan.

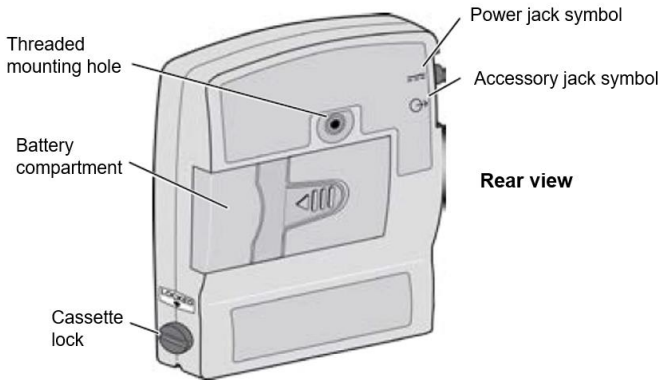
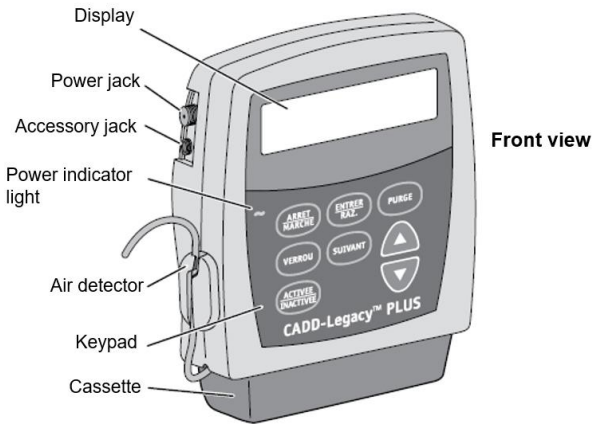
Before you start your treatment, the nurse will explain how to use the pump. The nurse will also program the pump and lock it to ensure your safety and prevent any further changes from being made to the pump's programming. The pump will continuously administer a small amount of medication to prevent the intravenous catheter from blocking. You will need to see the nurse to change the tubing, care for the catheter and, as needed, change the medication bag.

You can carry the pump and tubing in a waist pack. Once the nurse has programmed the pump and showed you how to use it, you can go about your daily activities.

You may, however, need to change the pump's batteries and the medication bag, among other things, from time to time.

CADD-Legacy® PLUS pump

Pump diagram



WARNING

When the pump is off:

- the medication will not be administered;
- the alarms will not sound or be detected;
- the screen will be blank;
- the keyboard will not respond.

Caring for your pump

- Avoid contact sports or rough play.
- Do not use the pump at temperatures below 2°C or above 40°C and at high humidity to avoid damaging the pump's electronics. Wear the pump under your coat when going outside in winter.
- When taking a bath, be sure to keep the following components dry:
 - the pump;
 - the tubing;
 - the dressing;
 - the catheter site.



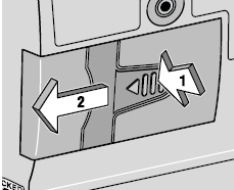
To do so, place the CADD pump in a plastic bag outside the bath, and cover your dressing with waterproof plastic wrap. Avoid showering.

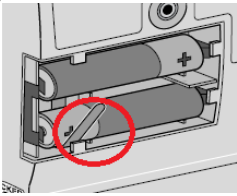
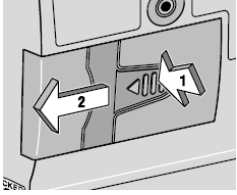
- Do not immerse the pump in cleaning products or water.
- If the pump is dropped or hit, the battery door may break. If this happens, contact the CLSC nurse so they can inspect the pump for further damage.
- Certain radiology exams, magnetic resonance imaging (MRI), electronic devices (including heart monitors), radiation exposure, and radiation therapy can damage the pump. Make sure that the staff member caring for you is aware that you are using an infusion pump, and that they know when to temporarily remove it.
- If you need to be hospitalized, notify the nurse who is caring for you that the pump must not be used during your hospital stay and that it must be returned to the outpatient unit at Hôpital du Haut-Richelieu or to the CLSC. The inpatient unit staff will administer your infusion with a hospital pump, as needed, according to the set schedule.

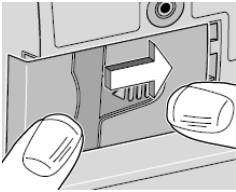


Changing the batteries

It is recommended that you change the batteries between doses to avoid having to change them during a dose.

When the batteries need to be changed, you must use two new, non-rechargeable AA alkaline batteries. The batteries have a lifespan of about six to seven days depending on use.

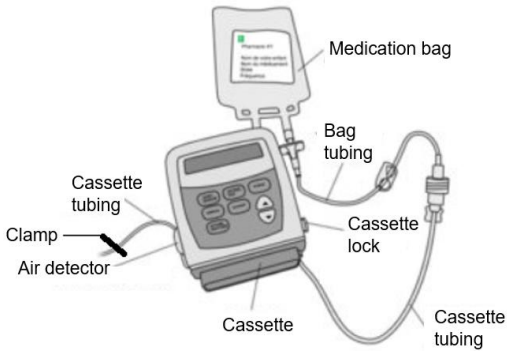
Steps	Description
1. Turn off the CADD pump to change the batteries.	<ul style="list-style-type: none">• Press and hold the  button on the keypad until three sets of dashes appear.• Release the  button.• The screen will show "OFF."
2. Change the batteries.	<ul style="list-style-type: none">• Open the battery compartment.• Push the arrow button on the battery door (1) and slide to open (2). 

<p>3. Remove the used batteries.</p>	<ul style="list-style-type: none"> • Pull on the battery strap to easily remove the batteries.  <ul style="list-style-type: none"> • Recycle the batteries accordingly.
<p>4. Install the new batteries.</p>	<ul style="list-style-type: none"> • Insert two new AA batteries into the compartment. Match the + and - signs on the new batteries with the corresponding signs inside the battery compartment, making sure the battery strap is under the batteries.
<p>5. Place the battery door back on the compartment.</p>	 <ul style="list-style-type: none"> • The pump will then go through an electronic self-test. At the end of the power-up sequence, the pump will beep six times. (All of the display indicators, the software version number, and each parameter will appear briefly.) • Afterwards, the screen will show "STOP" again.





<p>WARNING</p>	<ul style="list-style-type: none"> • Make sure the battery door is properly closed to prevent the pump from breaking or malfunctioning. 
<p>6. Turn on the CADD pump.</p>	<ul style="list-style-type: none"> • Press and hold the  button on the keypad until the three sets of dashes disappear. • Release the  button. • The pump will update the programming of your medication and will then switch on.
<p>7. The pump will start automatically when the next dose is due.</p>	


Changing the medication bag

In some cases, you may need to change your medication bag yourself, as the nurse taught you. Depending on your situation, the CLSC nurse may change your medication bag every 24 hours, in which case you will not need to change it yourself.



Always be sure you are between doses before changing your medication bag.

Steps	Description
1. Turn off the CADD pump.	<ul style="list-style-type: none"> • Press and hold the  button on the keypad until three sets of dashes appear. • Release the  button. • The screen will show "OFF."
2. Clamp the tubing.	
3. Remove the old medication bag and install a new one.	<ul style="list-style-type: none"> • Insert the tip of the tubing into the new bag.
4. Reset the reservoir volume (the volume remaining in the medication bag).	<ul style="list-style-type: none"> • Press the  button to display the reservoir volume screen. • Press the  button to reset the reservoir volume to the programmed volume.

<p>5. Turn on the CADD pump.</p>	<ul style="list-style-type: none"> • Press and hold the  button until the three sets of dashes disappear. • The screen will show "ON" when the automatic programming update is complete.
<p>6. Unclamp the tubing.</p>	

Managing the alarms

Your pump may emit audible sounds or alarms. If this happens, you can resolve these issues on your own. For any other alarm, press **NEXT** on the pump to silence the alarm and contact your CLSC nurse to resolve the issue.

- **Low battery:** The pump will beep every five minutes until new batteries are installed. Change the batteries to silence the alarm.
- **Battery depleted:** The pump will automatically turn off, and an audible alarm will sound until new batteries are installed. Change the batteries to silence the alarm, then restart the pump.
- **Reservoir volume empty:** The pump will sound a two-tone alarm when the reservoir volume reaches 0.0 ml. This means the medication bag is empty and you must replace it with a new one. Follow the steps on how to change your medication bag or contact your CLSC, if necessary.

Important:

It is important to check the following items three times a day (at breakfast, lunch and supper):

- **Catheter insertion site**
Examine the catheter insertion site. If you experience pain, redness, swelling or heat, or if your catheter has shifted, contact the CLSC nurse or the 24-hour phone line.
- **Dressing**
Be sure that the dressing is still dry and well adhered. If the dressing needs to be changed, contact the CLSC nurse or the 24-hour phone line.
- **Tubing**
Check the tubing for any possible leakage. If the tubing is leaking, consult the *Medication leakage* section.

Medication leakage

If the tubing detaches from the bag or the catheter and medication is leaking:

- close the clamp on the catheter;
- stop the pump;
- contact the CLSC or the 24-hour phone line (outside of CLSC business hours).

The pump should never be turned off, EXCEPT when medication is leaking from the tubing or if the pump is damaged.

When to consult a physician

It is important to consult a physician if you:

- notice a skin rash (redness, itching) or suddenly have difficulty breathing, in which case you must stop taking the medication, turn off the pump, and go to the nearest emergency department right away.
- have any new or persistent side effects associated with your medication. In this case, consult your pharmacist or call Info-Santé 811, if necessary.

Who to contact

If you have any questions or concerns, you can contact your CLSC nurse. Please do not call the manufacturer.

Your next appointments

Date	Time

Notes

References

Information found in this document is based on the guide: *Pompe à perfusion à domicile – Renseignements à la clientèle en cancérologie*, CISSS de la Montérégie-Centre (2021).

Inspired by the document: *L'antibiothérapie intraveineuse ambulatoire Système éclipse*, CISSS de la Montérégie-Centre (2018).

Pompe à perfusion à domicile – Renseignements à la clientèle du CIUSSS de l'Est-de-l'Île-de-Montréal (2018).

Images taken with permission from: Smiths Medical (2006, 2011, 2016). Legacy Plus, Operator's Manual. CADD-Legacy® PLUS Pump: Ambulatory Infusion Pump Model 6500.

Printing Code: 4715

Production

© CISSS de la Montérégie-Centre
Published: January 2022