

Infusing Home Chemotherapy with an EIS (Elastomeric Infusion System): Dosi-Fuser®

How will my chemotherapy infuse at home?

You will receive your home chemotherapy by a non-electronic balloon system (commonly called an **EIS, or Elastomeric Infusion System**) over a length of time ordered by your doctor. This system infuses by body temperature and pressure when the balloon is filled with medication (see the picture).



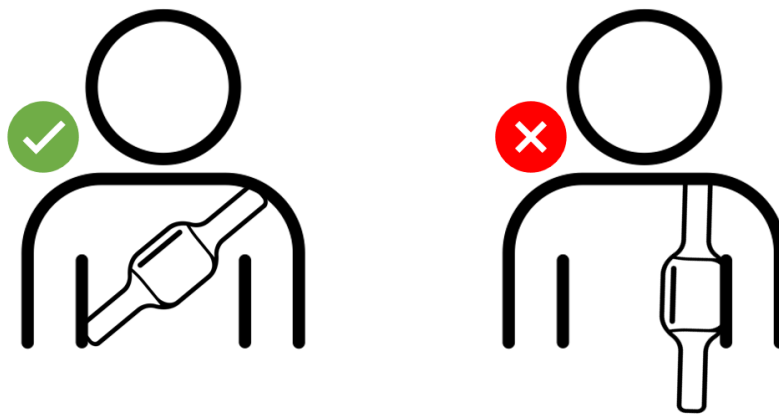
What should I expect for home chemotherapy with an EIS?

- A nurse will connect your chemotherapy (EIS) in the Infusion Center when you are ready to go home.
- The EIS will be filled with chemotherapy medication as prescribed by your doctor. As the medication infuses, the balloon inside the EIS will slowly become smaller and move the medication level marker (also called the **level indicator**) closer to zero. Your nurse will tell you how long your infusion will take.
- Talk with your nurse to confirm your disconnection date and time. This will be based on the date and time you are connected to the EIS. If you need an appointment for your disconnection, ask the nurse to check the date and time to be sure it matches the time your infusion should be finished.

What guidelines should I follow while I'm connected to the EIS?

Carry the EIS safely

- Keep the EIS in the fanny pack provided. You should wear the fanny pack with the EIS between your armpit and waist. You may wear the fanny pack around your waist or as a cross-body (diagonally across your chest). Do not wear the fanny pack over a single shoulder (if the pack falls off your shoulder, it could break the pump or pull your port needle out).



- Always wear the fanny pack outside of your clothing to make sure it does not get too warm.
 - If you are outdoors in extremely cold weather, you should place the fanny pack inside your coat.

Check the EIS regularly

- Check your EIS every morning and every evening to be sure the level indicator is moving toward zero.
- You can use a marker to place a mark showing where the drug level is each time you check it, so you can be sure the fluid level is going down. If it does not look like it is going down, check the tubing to be sure it is not clamped or kinked.

Take care of your EIS and supplies

- Keep the pump, tubing, capillary device, and air filter dry. Do not shower or bathe while you're connected to the pump.
- Do not clamp the EIS tubing unless a provider tells you to.
- Do not remove any parts of the dressing or tape.
- The capillary device should be taped to your skin.
 - If the tape covering the capillary device becomes loose or falls off, use a new piece of tape (or a Band-Aid®) to re-tape the device to your skin.
- The air filter should **not** be taped to your skin.



Capillary device
(should be taped to your skin)



Air filter
(should not be taped to your skin)

Avoid extreme temperatures

The EIS will infuse faster or slower if the device becomes very hot or cold.

- Protect it from direct sunlight and very cold weather.
- Do not swim or use a hot tub while you are connected to the EIS.
- Do not use a heating pad, heated blanket, or anything else that could increase or lower your body temperature while you are connected to the EIS.

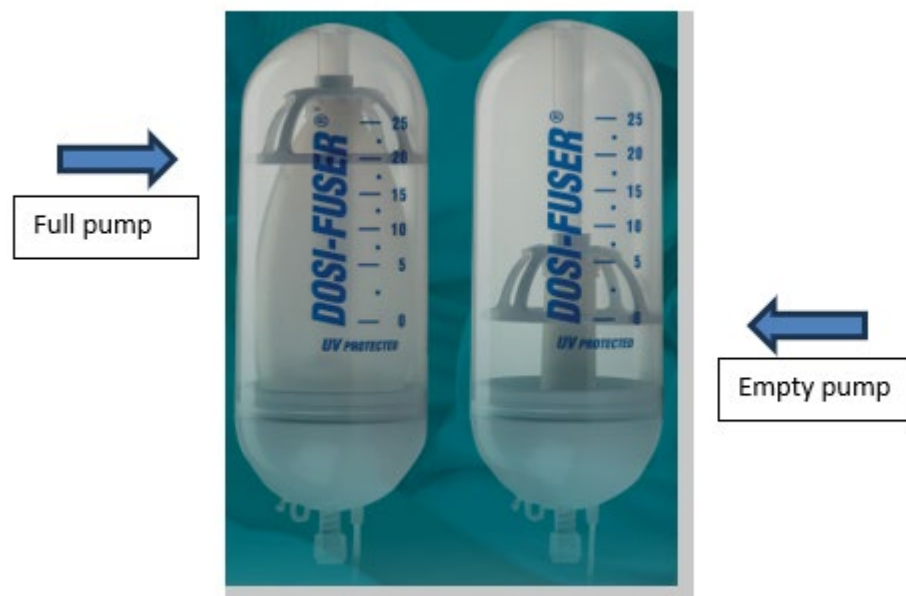
- Do not do any exercises that may cause your body heat to rise while you're connected to your EIS.

Carefully position the EIS when you're preparing for sleep

- Leave the pump in the fanny pack while you're sleeping.
- When sleeping, keep the device at the same level as your body (for example, do not place it on the floor or hang it on the bedpost). It is okay to place the fanny pack under your pillow.
- Take out enough tubing from the fanny pack to allow for a range of movement in bed (like turning over to sleep on one side or the other).

Stay connected to the EIS as you finish your infusion

- When your infusion is done, the level indicator will be at zero. It is important to stay connected to your infusion until the expected end-time to make sure you get your full medication dose.



- If you are scheduled for disconnection at the Infusion Center, please do not arrive early for your appointment. You will need a doctor's order if you want to disconnect your EIS before the expected end-time.

What if I have questions or need help with my EIS after I'm home?

For any questions about your **EIS pump or infusion, your symptoms, or the way you are feeling:**

- Call the clinic at (734) 647-8902 on Monday through Friday between 8:00 AM – 5:00 PM.
- If it's after clinic hours, call the on-call service at (734) 647-8902. They will ask you for some information, and then on-call oncology fellow will call you back.

What if my infusion tubing becomes disconnected?

If your infusion tubing becomes disconnected, it is important to close the clamps (pictured below) on both your port or PICC line and on the infusion tubing as quickly as possible. Then call the clinic or the on-call service.



What if my infusion looks like it is running too fast or taking too long?

If your infusion looks like it is infusing too quickly or taking longer than expected, call the clinic or the on-call service.

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