SMARTeZ® Elastomeric Infusion Pump Patient Guide

**WHAT TO EXPECT**

The SMARTeZ® pump delivers medication using a balloon-like ball and a flow restrictor in the tubing.

A pump filled with medication will be connected to your access site and the ON/OFF clamp will be opened. **The pump must be connected with the clamp in the ON/OPEN position for the full infusion time.** Talk to your pharmacist or physician for the expected infusion time.

- Image of a FULL pump
- Image of a pump DURING infusion
- Image of an EMPTY pump

The inside of the pump will become a tall cylinder and the outer cover will collapse.

**PRECAUTIONS**

1. Do not submerge the pump in water.
2. Protect the filter from getting wet.
3. Make sure the tubing is free of kinks and the clamp is in the ON/OPEN position for full infusion time.
   - If kinks are observed in the tubing, roll the tubing between your fingers to release the kink.
4. Do not get alcohol or detergents on the filter which may cause a leak.
5. Do not sleep on the pump.
6. Do not squeeze or play with the filled pump and take caution when used with immobilized patients.
7. The section of tubing from the filter to the patient connector should be kept under clothing and in contact with the body.
8. Avoid prolonged periods of extreme heat or cold.
9. Prior to starting infusion, allow the pump to reach room temperature (~23 deg C +/- 2 deg C).
   - Estimated times below:
<table>
<thead>
<tr>
<th>Nominal Fill Volume</th>
<th>Refrigerated Temperature</th>
<th>Estimated Time to Reach Room Temp</th>
</tr>
</thead>
<tbody>
<tr>
<td>50ml - 100ml</td>
<td>+2 to +8 deg C</td>
<td>6 hours from refrigerator</td>
</tr>
<tr>
<td>50ml - 100ml</td>
<td>-18 deg C</td>
<td>12 hours from refrigerator</td>
</tr>
<tr>
<td>100ml+</td>
<td>+2 to +8 deg C</td>
<td>12 hours from refrigerator</td>
</tr>
<tr>
<td>100ml+</td>
<td>-18 deg C</td>
<td>18 hours from refrigerator</td>
</tr>
</tbody>
</table>
10. Consult your pharmacist, nurse or physician for the expected infusion duration.

Note: Images above are SMARTeZ® standard pumps and are used for visualization purpose only.
**PREPARATION**

In a clean work area, assemble the following supplies:

- SMARTeZ® pump
- Alcohol wipe(s)
- Flush syringe(s)

- Wash your hands.
- Be sure the SMARTeZ® pump includes patient name and that the medication name and dosage are correct.
- Review the expiration date and verify that is has not expired.
- Allow the SMARTeZ® pump to warm to room temperature before use, especially when it has been stored in the refrigerator.
- Check that the clamp on the tubing is in the Off/Closed position.

**CONNECTING THE DEVICE**

- Clean patient vascular catheter access site as directed by facility policy.
- Remove the patient end cap from the luer tip end of the SMARTeZ® tubing.
- Insert the luer tip end of the tubing into patient access site and turn the luer lock clockwise to secure the connection.
- Verify the connection to the access site is secure.

**STARTING INFUSION**

- Once the patient connector is connected to the access site, you are ready to begin the infusion (make note of start time).
- Begin infusion by opening the ON/OFF clamp.
- Ensure the ON/OFF clamp remains in the ON/OPEN position and that the tubing remains free of kinks.
- If kinks are observed in the tubing, roll between your fingers to release.

**ENDING INFUSION**

- **After the prescribed infusion time has elapsed**, close the clamp, and disconnect the luer tip from the patient access site.
- Flush the vascular catheter access site as directed by facility policy.
- Dispose of supplies.