

## A step-by-step guide – Setting up the Surefuser™+ infusion device, commencing and monitoring the infusion

This guide assumes a subcutaneous cannula has already been inserted into the person.

### Gather the equipment required

- Surefuser™+ infusion device
- Medicine(s) as per medicine order
- 50mLs or 100mLs sodium chloride 0.9% (depending on length of infusion)
- Alcohol swabs
- 50mL Luer Lock syringe(s)
- 3mL Luer Lock syringe(s) for drawing up medicine(s)
- Drawing-up needle(s)
- Clear waterproof dressing
- Subcutaneous medicine label
- Infusion monitoring label (not shown in the image)
- Lightweight carry pouch
- Non-sterile kidney dish
- Sharps container



### Complete the subcutaneous medicine label for the Surefuser™+

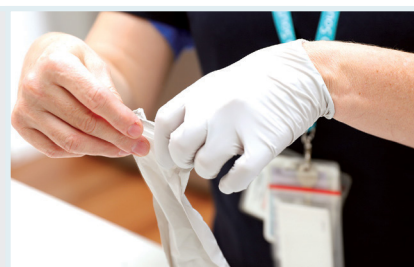
**Complete the following required details on the subcutaneous medicine label and set it aside:**

- Person's name
- ID number
- Date of birth
- Medicine(s) added
- Units + mLs of medicine(s) added
- Diluent added
- Date prepared
- Time prepared
- Initials of the health professional who prepared the medicine(s)
- Initials of the health professional who checked the medicine(s)

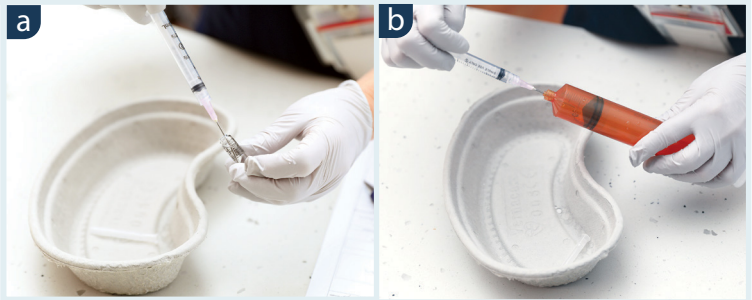


### Fill the Surefuser™+ (This guide shows the process for filling a 100mL 2-day Surefuser™+)

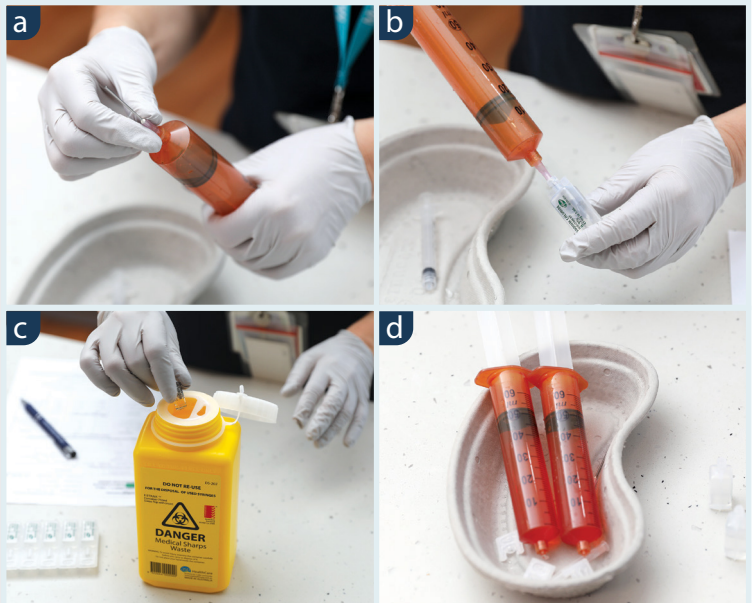
1. Wash your hands and don Personal Protective Equipment (PPE) as per local policy and procedures



2. **a.** Attach a drawing-up needle to a 3mL Luer Lock syringe, open the medicine(s) and draw up the dose that has been ordered
- b.** Pull back the syringe plunger slightly on a 50mL syringe and add the drawn-up medicines from the 3mL syringe into it
  - Discard the 3mL syringe and drawing up needle



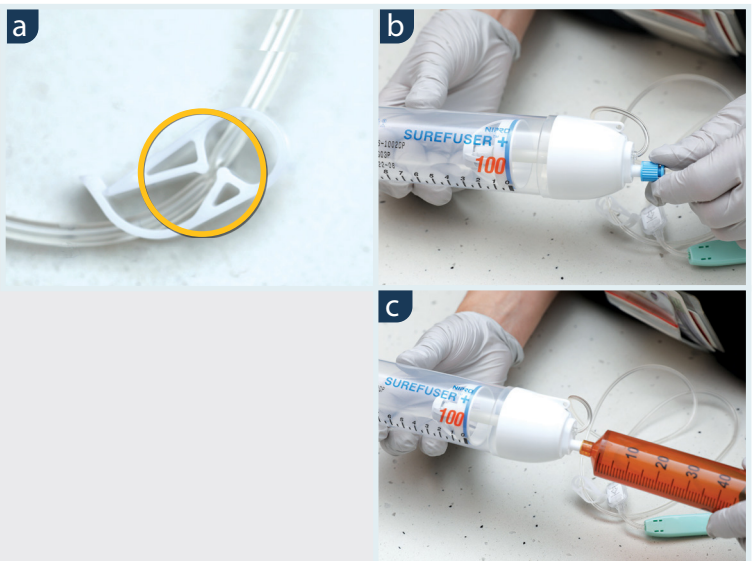
3. **a.** Attach a drawing-up needle to the 50mL syringe, open the diluent and draw up volume required to fill the syringe to 50mL
- b.** Open a second 50mL syringe, attach a drawing-up needle and draw up 50mL of diluent. Filling the Surefuser™+ with both syringes makes a total of 100mL of solution
  - \*If using a 50mL 1-day Surefuser™+, you will only need to fill one 50mL Luer Lock syringe with solution*
- c.** Remove the drawing up needle(s) and discard in the sharps container
- d.** Place the filled syringe(s) in the kidney dish



4. **a.** Unwrap the Surefuser™+ from its packaging
- b.** The Surefuser™+ package includes:
  - The Surefuser™+ and infusion tubing
  - A purple occlusive cap
  - A blue occlusive cap
  - A lightweight carry pouch

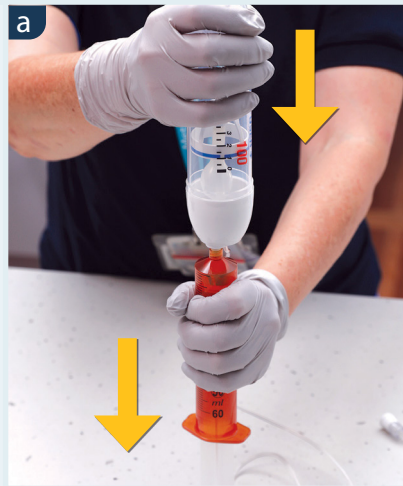


5. **a.** Close the Robert clamp on the infusion line (it will snap closed)
  - Make sure the tubing is caught between the two pieces of the clamp as shown
- b.** Unscrew and discard the blue filling port cap
- c.** Screw the Luer Lock syringe into the filling port until it is firmly attached





- 6. a.** Support the Surefuser™+ with one hand, while placing the other hand around the syringe barrel
- b.** Place the syringe plunger against a non-slip work surface and apply firm downward pressure to the syringe



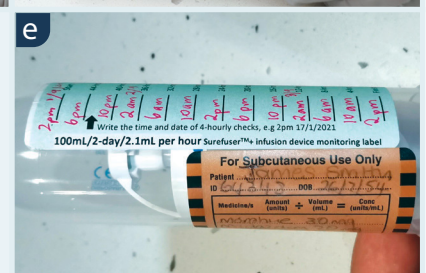
- 7. a.** Keep applying firm downward pressure to the syringe until it is empty, then disconnect it
- b.** Screw on the second filled syringe and repeat the process with firm downward pressure until it is empty, and the balloon reservoir is filled. The blue infusion line should sit at the top of the graduated markings

*\*If filling a 50mL 1-day Surefuser™+, you will only require one filled 50mL syringe*



Fill until the blue infusion line reaches the top of the graduated markings

- 8. a.** Check the port section for leaks and make sure that there is no damage in the balloon reservoir
- b.** Unscrew the syringe from the filling port
- c.** Open the purple occlusive cap packet and screw the cap onto the filling port
- d.** Attach the subcutaneous medicine label, taking care not to cover the graduated markings on the device
- e.** Attach the infusion monitoring label, taking care not to cover the graduated markings on the device
- f.** Discard the syringes in the rubbish bin (not pictured)

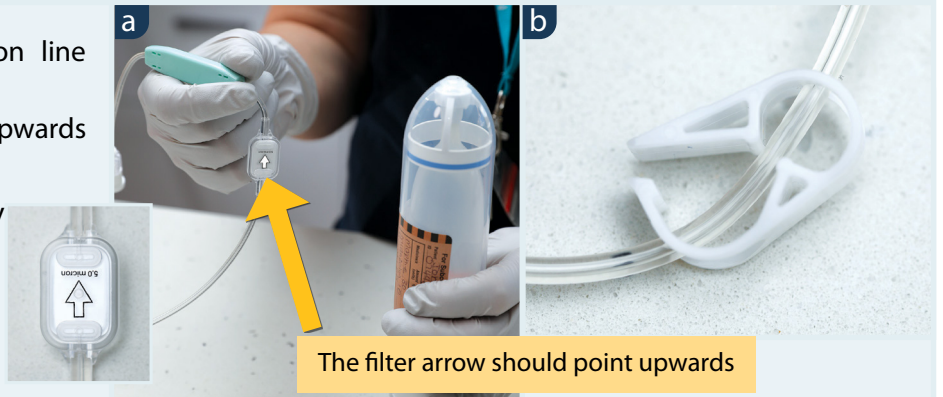


## Prime the Surefuser™+

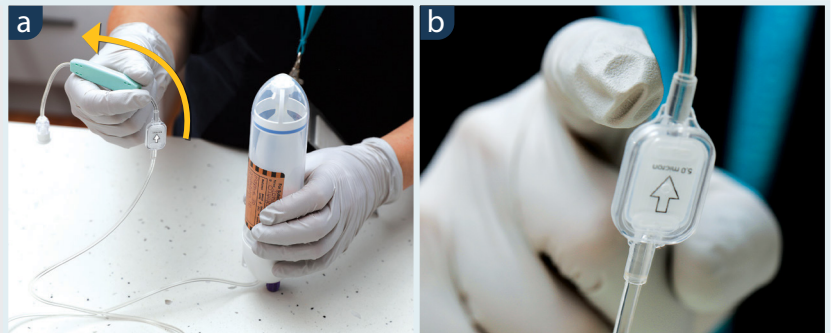
1. Remove the white cap on the end of the infusion line and discard it
  - This will allow the solution to flow through the line and prime it, once the Robert clamp is released



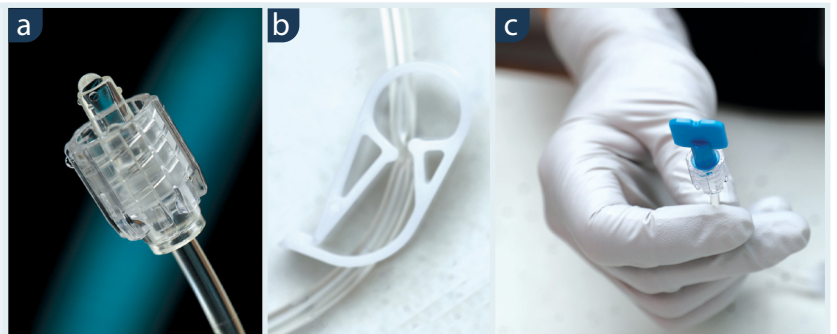
2. **a.** Hold the Surefuser™+ infusion line filter in an upright position
  - The filter arrow should point upwards**b.** Open the Robert clamp
  - The solution will automatically flow slowly through the line



3. **a.** If the solution flows from the filter to the flow controller and there are no air bubbles in front of the filter, the filter can be released and placed on the work surface
  - If the solution does not flow, tap the filter firmly with your finger to expel any air**b.** If the solution does not flow, tap the filter firmly with your finger to expel any air



4. **a.** Priming is complete when all air bubbles have been bled from the infusion line and a drop of fluid is seen at the infusion line connector
  - Close the Robert clamp, making sure that the infusion line is in the middle of the clamp
  - Open the blue occlusive cap packet and screw the cap onto the end of the infusion line



**The Surefuser™+ is now ready to be connected to the person.**

**NOTE: The Surefuser™+ should be connected to the person as soon as possible and the infusion commenced.**



## Attach the Surefuser™+ to the person's subcutaneous cannula

1. Wash your hands again and don PPE as per local policy and procedures.

2. **a.** Swab the end of the person's subcutaneous cannula Y-arm with the alcohol swab  
**b.** Remove the blue occlusive cap from the end of the infusion line connector and discard it  
**c.** Screw the infusion line connector onto the Y-arm of the subcutaneous cannula



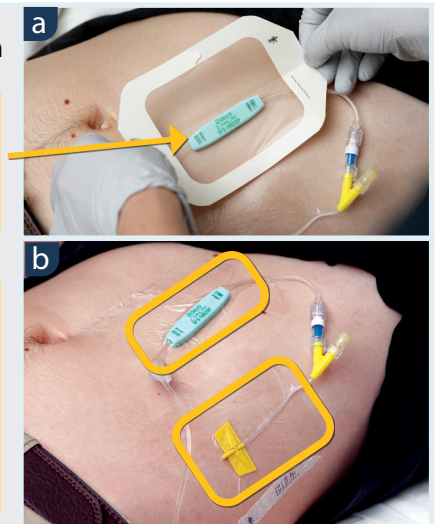
3. Attach the flow controller (writing side visible) securely to the person's skin with a clear waterproof dressing

### NOTE:

- a.** The flow controller must be attached with the writing side visible. It is most accurate when firmly attached to the person's skin. The warmth of the person's skin assists with a more accurate infusion flow rate  
**b.** It is important to make sure that this new dressing does not overlap with any existing dressings, for example, the dressing securing the subcutaneous cannula

Ensure the flow controller is attached with the writing side visible

The clear dressings on the subcutaneous cannula insertion site and the Surefuser™+ flow controller **should not overlap**, as shown.



## Commence the infusion

1. **a.** Open the Robert clamp to start the infusion

- The solution will now begin to be delivered to the person

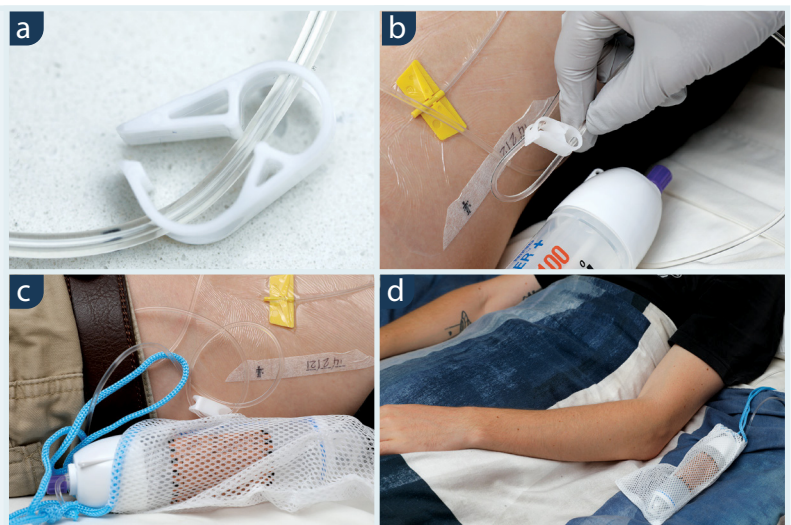
**b.** Bypass the Robert clamp by pulling the tubing from the middle of the clamp and closing the clamp

- This ensures that the Robert clamp cannot be accidentally closed, stopping the flow of medicine (e.g if the person lays on it)

**c.** Place the Surefuser™+ in the lightweight carry pouch provided

- Secure the top of the pouch by tying the string tightly or with a bulldog clip or tape, to ensure the Surefuser™+ doesn't fall out

**d.** Store the Surefuser™+ as advised, with the casing at the same level as the person's subcutaneous cannula insertion site



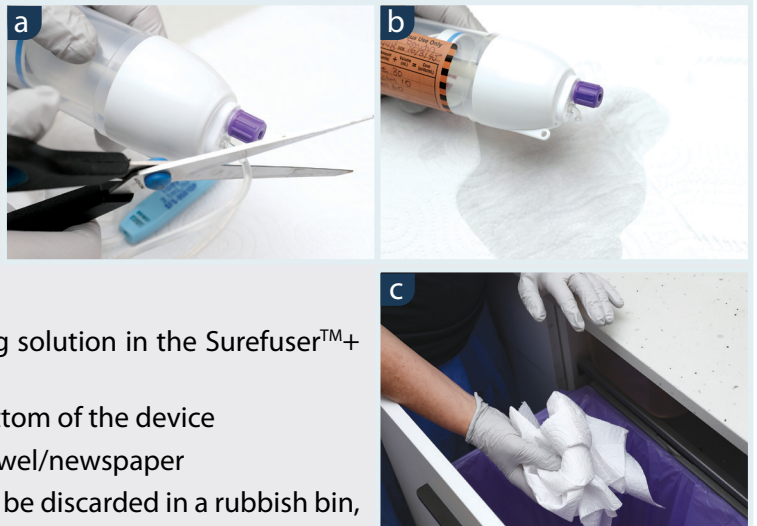
## Dispose of the Surefuser™+

1. This is a disposable, single-use only product that must be discarded immediately after use:

**a. In hospital:** If no solution is left in the Surefuser™+ at the time of the infusion being stopped, then it can be discarded in the rubbish bin. If any solution is present, the device must be returned to the Pharmacy Department to be discarded.

**b. In the community:** Dispose of any remaining solution in the Surefuser™+ by:

1. cutting the infusion tubing close to the bottom of the device
2. emptying the solution onto some paper towel/newspaper
3. The Surefuser™+ and paper towel can then be discarded in a rubbish bin, the work surface cleaned, and hands washed.



## Precautions when using the Surefuser™+

### IMPORTANT:

- The infusion flow rate is affected by changes in ambient temperature. The Surefuser™+ can deliver medicine faster when the room temperature is hot and slower if room temperature is cool.
  - Ensure the Surefuser™+ casing is stored at the same level as the person's subcutaneous cannula insertion site. It should not hang above or below the insertion site as this will affect the infusion flow rate.
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- Never fill the balloon reservoir beyond the specified amount as the balloon reservoir could rupture
  - Do not apply extra pressure to the port when filling as this may cause the port to break and leak
  - Do not pull excessively on the infusion line as this may cause leakage and the line may detach from the device
  - Before closing the Robert clamp, verify that the infusion line is in the centre of the clamp. If the Robert clamp does not clip the infusion line properly, the medicine flow will not be stopped
  - During usage, check the condition of the Surefuser™+ and infusion line regularly for leakage or damage
  - The Surefuser™+ is not waterproof. Do not submerge or wet the device
  - If required, breakthrough subcutaneous medicines (PRNs) should **NOT** be administered through the subcutaneous cannula connected to the Surefuser™+. It is recommended that a second subcutaneous cannula be inserted into the person for administration of breakthrough subcutaneous medicines. This also provides a back-up site if the Surefuser™+ subcutaneous cannula is accidentally removed or blocked.