

Cytarabine Intravenous Infusion

- Check you have the necessary equipment: The items in italics are pictured below.

Personal protective equipment (PPE): Gloves, gown, facemask and eye shield

Catheter placement equipment: Clipper, skin prep, catheter, tape.

Chemopet Prep Kit: Vial access, Spiros, LL syringe, Clinelle wipe and drug label

Chemopet infusion kit: Work mat, 0.9% saline flush syringes x3, *burette set*, 100ml 0.9% saline, Baxter extension set (for large dogs), 7" *microclave extension set*, *Spiros*, *priming cap*, Clinelle wipe, light proof bag, cytotoxic & drug label and dressing.



Priming Admin Set

- Close roller clamps on burette. If needed, attach Baxter extension set to burette giving set. Spike burette set into the saline bag.
- **Open the blue capped filter** at the top of the burette.
- Fill the burette with required volume of 0.9% saline from the 100ml saline bag.
- Luer lock the Spiros (provided) to the end of the giving set (turn until you feel a click, the Spiros will spin but cannot be detached). Attach the blue priming cap supplied to open the fluid path and allow you to prime the set with saline. Also flush the integrated clave port within the line.



- Leave 50-60ml saline in burette (depends on patient weight and length of infusion).
- Prime 7" Microclave extension set with 0.9% saline.

Drug Preparation:



Vial access device + Clave



Spinning Spiros

- Put on all **personal protective equipment**.
- In a low traffic area, prepare drug over a plastic backed work mat.
- Remove plastic top from vial, swab rubber septum with the Clinelle wipe for 30 seconds and allow to air dry. Seat the vial access device onto the drug vial by pushing the spike through the rubber vial septum. Remove the white cap to release the folded silver balloon beneath. The balloon equalises the pressure within the vial and maintains a closed system.
- Remove clear cap from Spiros and attach to luer lock syringe, twist on until you feel a click and it is locked in place (the Spiros will spin freely but will not become disconnected from syringe again).
- Remove purple cap from other side of Spiros. Attach Spiros to Clave port of vial access by pushing the tip of the Spiros into the adapter and twist until locked together.
- Invert vial before slowly aspirating the required volume.
- Right the vial and disconnect Spiros from Clave. Replace Spiros cap until you're ready to add to burette
- Label syringe barrel with drug name. The vial access device is left in place and discarded with the vial into the cytotoxic sharps bin (purple top).

7" Microclave extension set



Syringe with Spiros attached



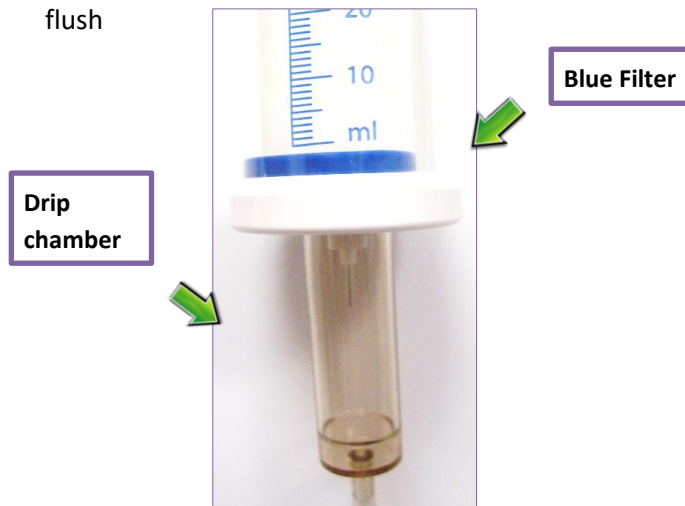
Spiros

- In a low traffic area, lay out equipment on work mat.
- Walk patient prior to starting infusion. The additional Spiros at the end of line allows safe disconnection to walk out but keep to a minimum.



- Place first stick catheter and secure. Attach Microclave extension set to catheter and secure. Make a loop with the Microclave set as shown to prevent tension on the catheter if the patient moves during treatment.

- Lock saline flush syringe into Clave port and confirm catheter patency: Flush with saline, draw back to check for blood flash and flush again. Lock off Microclave set.
- Over work mat, remove the cap from the Spiros on the predrawn syringe and attach to Clave port at the top of burette chamber. Slowly add chemotherapy to saline.
- Remove purple cap and connect Spiros at the end of the admin set to Microclave set.
- Administer infusion over 6-8 hours. Monitor catheter site and burette level regularly during the infusion. You should cover the burette with the light proof bag.
- Mark the infusion and kennel to indicate a chemotherapy treatment is being given.
- When infusion complete open upper roller clamp and add additional 10mL-20mL saline from bag into burette chamber to flush out the last of the drug. Squeeze drip chamber to float blue filter disc off the bottom of the chamber each time additional flush added. Repeat to flush



- Flush adequate saline (15-20ml) through integrated Clave port to clear any residue from set tubing and catheter.
- Lock off Microclave extension set.
- Remove catheter and administration equipment as one from patient (do not disconnect) and dispose of in a cytotoxic waste bin.
- Apply dressing to the catheter site. Remove PPE and thoroughly wash hands.