

Hi Team,

We currently have a heme patient requiring blood products to be warmed during infusion. I will be educating each nurse on the use of the 3M ranger blood/fluid warmer but wanted to send along this info.

3M Ranger Blood/Fluid Warmer

What is it?

Warming system used to warm blood, blood products, and liquids and deliver these at rates from KVO to 500ml/min

Where do I get it?

The OR!

When I call the OR what do I ask for?

The 3M Ranger Fluid/Blood Warmer **AND** Cassette

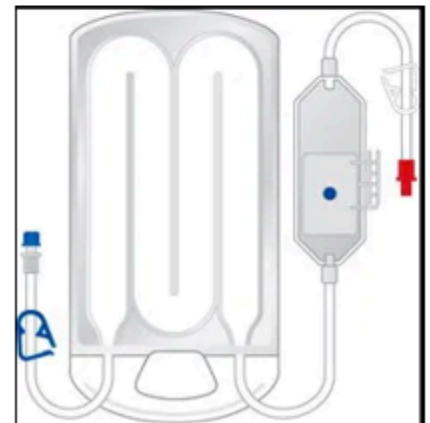
Cassette Lawson #325992

What is the Cassette?

You **NEED** the cassette in order to use the machine. It is the tubing inside the machine that the blood/fluid goes through to be efficiently warmed

What is the default temp for warming?

41 Degrees Celsius



How To Steps:

- 1) If you plan to administer/warm blood: grab blood tubing from clean supply closet. Prime blood tubing with NS.
- 2) If you plan to administer fluid, grab primary tubing from clean supply closet. Prime tubing with desired fluid.
- 3) Slide the cassette into the slot of the Ranger warming unit.
- 4) Attach the primed tubing to the **BLUE** end of the cassette (this is called the inlet)
- 5) Prime the cassette by unclamping/unrolling clamps until it reaches the "outlet" end of the tubing (the **RED** end of the cassette tubing). Invert the bubble trap and make sure the trap fills entirely with fluid. Gently tap the bubble trap against the warming unit to expel any trapped air. Place the bubble trap into the holder on the warming unit
- 6) Clamp tubing once primed to the outlet end.
- 7) Turn the Ranger warming unit ON and allow it to warm up for 5 minutes.
- 8) The Ranger warming unit display should read 41°C
- 9) While you wait the 5 minutes to warm up, if you plan to administer/warm blood, spike blood to Y tubing and prime. Insert blood tubing or primary tubing to the sigma pump (since this is where your fluid rate will be controlled)
- 10) When it has been 5 minutes and you are primed with no air bubbles noted, attach **red** end of tubing to patient and start flow. (You can also attach extension tubing to red outlet tubing end to better reach patient)

Below:

Video Link that walks through priming process:

<https://www.youtube.com/watch?v=dwbmbYpvM3U>

Video link that walks you through product:

<https://www.youtube.com/watch?v=yYWT1lIP7Gs>

Best,

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