## SETTING UP THE PUMP FOR INFUSION

1. **PRIME your IV Set** (according to hospital policy).
   - **Clamp OFF ‘FLOW PREVENTER CLAMP’**
   - **Clamp OFF ‘Roller Clamp’ or ‘Slide Clamp’**
   - **DO NOT STRETCH** the **SILICON SEGMENT** of the **IV SET**

2. ‘TURN ON’ the pump by pressing the purple button on the bottom left.

3. **OPEN the Door** by ‘Pushing Down’ on the button and ‘Pulling Up’ on the handle.

4. **LOAD the IV Set** into the Pump Chamber.
   - Place the round disk in the ‘disk slot’
   - Verify the ‘FLOW PREVENTOR CLAMP’ is clamped all the way off and not simply flush.
   - Insert the ‘FLOW PREVENTOR CLAMP’ by pushing down on the spring-loaded platform and in towards the pump. Once installed ‘DO NOT’ push on the ‘FLOW PREVENTER’ as this will open the clamp and fluids may flow.
   - Position tubing through the ‘Air in Line’ (Bubble) detector.
   - Verify that tubing is aligned properly in the pump Chamber.
   - **CLOSE THE DOOR**
   - **OPEN** all clamps / vent caps. There should be no flow in the drip chamber of the IV set or bubbles in the syringe. **IF** present then clamp off the IV tubing and re-install.

5. **PROGRAM the Infusion**...........see back of card.

*KEY THINGS TO REMEMBER:*

- **DO NOT STRETCH** the silicone rubber segment of the I.V. Set. When properly loaded, the silicone rubber segment should be taut (without slack) and centered atop the pump's peristaltic "fingers" as pictured above.
- **DO not place a ‘Stopcock’** between the SYRINGE and PUMP when utilizing the 'Syringe' IV infusion set as this may result in a 'Bubble Detected' alarm.
- **Hospital Extension Tubing** may be added between the MRI infusion set and the patient if more length is required.

Watch our MRidium® Video Training Modules on-line at www.iradimed.com
MRidium® MRI Infusion Pump QUICK REFERENCE INSTRUCTIONS

FIRST—TURN ON THE PUMP!

1...2...3!

SECOND—LOAD THE IV SET!

THIRD—PROGRAM THE INFUSION!

PROGRAMMING the Dose Rate Calculator

1. SELECT ‘New Patient’ ‘Drug Library A or Drug Library B’.
2. Use the ‘UP or DOWN’ arrow keys to scroll thru medications. Press ‘ENTER’ when you have located the medication of choice.
3. Primary will be highlighted. Press ‘ENTER’
4. PROGRAM required entries i.e. Dose, Conc, Weight (kg), VTBI and Press ‘ENTER’
5. Open all Roller, Slide or White Vent Caps.
6. Ready to Start ‘A’ or ‘B’ will be flashing in bottom right corner. PRESS the Purple ‘A’ or ‘B’ softkey to start your infusion.
7. PRESS ‘A’ or ‘B’ to PAUSE / STOP the infusion.
8. Infusion Complete: CLOSE the Clamps, OPEN the Door and REMOVE the IV set.
9. Turn OFF the pump.

PROGRAMMING A BOLUS

1. Press the white softkey adjacent to ‘BOLUS’.
2. DOSE will be highlighted: Enter Dose value and PRESS ENTER
3. ‘Ready to Start ‘A’ or ‘B’’ will be flashing in bottom right corner. PRESS the Purple ‘A’ or ‘B’ softkey to start your infusion.
4. Once the Bolus has started to infuse you will note: Bolus A or Bolus B on the display screen. Once the Bolus has infused a long ‘Beep’ will sound and the infusion will revert back to the primary settings.

ALARM MESSAGES

<table>
<thead>
<tr>
<th>MESSAGE</th>
<th>Possible CAUSE</th>
<th>RESOLUTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHECK DOOR</td>
<td>Possible Free-Flow of IV Fluids</td>
<td>Press ‘Alarm Silence’</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Open door and Check ‘Free Flow Preventer’ to assure it is pulled out to the full stop position.</td>
</tr>
<tr>
<td>CLOSE DOOR</td>
<td>Door Latch is open</td>
<td>Press ‘Alarm Silence’</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Close Door latch fully downward.</td>
</tr>
<tr>
<td>Bubble Detected</td>
<td>Air detector has detected a bubble.</td>
<td>Press ‘Alarm Silence’</td>
</tr>
<tr>
<td>Inlet Occlusion</td>
<td>Occlusion between the fluids and pump.</td>
<td>Press ‘Alarm Silence’</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Check administration set.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Check to assure that all clamps/vents have been opened.</td>
</tr>
<tr>
<td>PT Occlusion</td>
<td>Occlusion between the pump and patient.</td>
<td>Press ‘Alarm Silence’</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Check administration set.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Check to assure all clamps have been opened.</td>
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</tbody>
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IMPORTANT: Refer to the MRidium® 1138 Operation Manual for further instructions.