



Working with the Hospira (Abbott) Plum Pump

Hospira (Abbott) Plum pump uses dedicated Plum tubing with a cassette which incorporates a free flow protector and an additional infusion site. This cassette comes with or without CLAVE injection sites. This cassette allows the user to infuse one fluid, two fluids concurrently, or two fluids as a primary and secondary infusion. The MRidium 1055 Bypass set can be used to transition the infusion from this set to the MRidium 3850 MRI compatible pump, using different configurations, depending on how the original infusion was set up.

One Fluid/Medication:

- Remove the cassette from the Plum pump; be sure the flow regulator is pushed in, closed to prevent free flow.
- Remove the white cap from the additional infusion site on the cassette. If cassette has CLAVE injection sites, there will be no cap, just the CLAVE adapter. Luer-lock the top of the MRidium Bypass set onto this site.
- Invert and tap injection sites on MRidium Bypass set and prime to clear air bubbles.
- Swab and luer-lock the bottom of the MRidium Bypass set onto the lower injection site or CLAVE adaptor.

Bypass set is now ready to be loaded into the MRidium 3850 infusion pump.

Two Fluids/Medications Running Concurrently:

- Two MRidium 3850 infusion pumps will be used
- Remove the cassette from the Plum pump; be sure flow regulator is pushed in, closed to prevent free flow.
- Remove the tubing attached to the cassette infusion site or CLAVE adaptor. Swab and luer-lock the MRidium Bypass tubing onto this site.
- Invert and tap injection sites and prime Bypass tubing.
- Swab and luer-lock the bottom of the MRidium Bypass tubing onto the lower injection site or CLAVE adaptor.
- Place this set into first pump and program.

- There are two options for the second fluid/medication that was originally attached to the infusion site of the cassette:
 1. Replace the secondary tubing with MRidium Standard infusion tubing, and prime tubing.
 2. Use Extension Adaptor to connect MRidium Bypass tubing onto the end of the secondary set, and prime tubing.
- Swab and luer-lock end of Bypass set or Standard set to lower injection site on the Bypass tubing coming from the first pump.
- Place Standard set or Bypass set from second fluid into second pump and program.

Two Fluids/Medications Running as Primary/Secondary:

- Two MRidium 3850 infusion pumps will be used, since the Plum set has no check valve to prevent backflow.
- Remove the cassette from the Plum pump; be sure flow regulator is pushed in, closed to prevent free flow.
- Remove the tubing attached to the cassette infusion site or CLAVE adaptor. Swab and luer-lock the MRidium Bypass tubing onto this site.
- Invert and tap injection sites and prime Bypass tubing.
- Swab and luer-lock the bottom of the MRidium Bypass tubing onto the lower injection site or CLAVE adaptor.
- Place this set into first pump and program.
- There are two options for the second fluid/medication that was originally attached to the infusion site of the cassette.
 1. Replace the secondary tubing with MRidium Standard infusion tubing, and prime tubing.
 2. Use Extension Adaptor to connect MRidium Bypass tubing onto the end of the secondary set, and prime tubing.
- Swab and luer-lock end of Bypass set or Standard set to lower injection site on Bypass tubing coming from the first pump.
- Place Standard set or Bypass set from second fluid into second pump and program.
- Run Pump number 2 first, then, when completed, run pump number 1.

When our Channel B sidecar becomes available, the same will be able to be accomplished using one pump, Channel A for the first fluid/medication and Channel B for the second.