



Reference Guide

Rio™ Drug Reconstitution Device

For reconstitution of liquid or lyophilized drugs (20 mm vials) and aseptic transfer into a multi-port LifeCare™ IV container system (up to 250 mL).*

Assembly:



1. Disinfect vial

- › Remove vial cover and disinfect vial stopper per DFU or facility protocol.
- › Place vial upright on flat surface.



2. Remove from package

- › Using aseptic technique, open package and remove the device from its sterile package.



3. Turn to horizontal OFF position

- › Ensure the device is in the horizontal off position. If not, turn handle so it is horizontal.



4. Remove cap

- › Remove vial-side cap from vial-side of device.



5. Spike vial

- › Firmly push the device straight down until it clicks securely onto vial.



6. Disinfect medication port

- › Disinfect medication port on the LifeCare IV container system per facility protocol.
- › Remove bag-side cap from bag-side of device.



7. Spike bag

- › Spike the medication port on the LifeCare™ IV container system with the device until the device attaches securely onto IV bag.
- Note:** Do not remove the assembled (vial-to-bag) system and do not refrigerate the assembled (vial-to-bag) system once assembled.

Activation / Reconstitution:



8. Turn to vertical ON position

- › Turn and rotate the handle until it is vertically positioned (or in-line with the fluid path) to “open” pathway.



9. Reconstitute

- › Hold IV container/bag with vial down.
- › Squeeze IV container/bag to transfer solution into vial until half full.
Note: Do not overfill vial.
- › (For lyophilized drug) shake or swirl to suspend drug in solution per manufacturer’s guideline.
Note: Ensure drug is completely dissolved.



10. Invert

- › Hold IV container bag with vial upside down.
- › Squeeze IV container/bag to transfer air into vial.
- › Release to drain drug from vial.
- › Repeat above steps as necessary until drug and solution are transferred from vial to bag (container).



11. Turn to horizontal OFF position

- › If desired, turn and rotate the handle until it is horizontally positioned to “close” fluid pathway upon emptying vial contents.
Note: Post reconstitution, the fluid pathway may be closed to prevent the reconstituted drug from entering the vial. Do not remove the assembled (vial-to-bag) system and do not refrigerate assembled (vial-to-bag) system prior to activation.



In-Service Video

Your guide to the safe and effective use of the Rio Drug Reconstitution Transfer Device



Not for use with bags larger than 250mL or bags with a single down port.
For single patient use, do not resterilize; Sterile, non-pyrogenic fluid path in unopened, undamaged, package and needle-free.

*LifeCare IV container systems are manufactured by Otsuka ICU Medical LLC and distributed by ICU Medical Sales, Inc.

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