

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. >



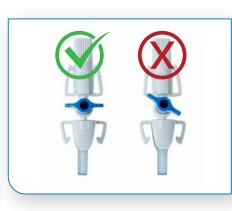
5. Spike vial

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



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.



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



9. Reconstitute

- > Hold IV container/bag with vial down.
 - Squeeze IV container/bag to transfer



10. Invert

> Hold IV container bag with vial upside down.



11. Turn to horizontal OFF position

> If desired, turn and rotate the handle until it is horizontally positioned to

the fluid path) to "open" pathway.

> 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.

- 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).

"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.

© 2025 ICU Medical, Inc. | C25-4868 | Rx Only. For safe and proper use, refer to the Instructions for Use.

