



Dear valued customer,

BD understands the impact the intravenous fluid (IVF) and peritoneal dialysis solution shortage has caused on multiple aspects of healthcare practices. Conservation is a priority action in these extreme circumstances as recommended by ASHP, AHVAP, and other organizations.^{1,2}

Keep Vein Open (KVO) fluid administration is a common practice when patients require intermittent infusion such as antibiotics for example. BD does not advise on specific KVO rates nor dictate practice. In the interest of conservation, the question becomes, how to properly administer the full dose of secondary infusions without a primary line infusing.

Considerations:

- For smaller volume secondary infusions:
 - Evaluate the option to transition some infusions to syringe delivery, if appropriate.
 - Please see BD Infusion Set Catalog at:
<https://bd.showpad.com/share/196yELwkBNRSw9pX2NTgP>
 - If additional information on specific infusion sets is required, please reach out to your BD Account Executive
 - Flush vascular access device per Infusion Nurses Society guidelines.³
 - Evaluate and consider medication to be delivered in alternate means such as IV push, IM, or Subcutaneous, in alignment with your facility's policies and procedures and standards of practice. For IV Push practices consult the ISMP Safe Practice Guidelines for Adult IV Push Medications.⁴
- For larger volume secondary infusions:
 - Consider the lowest appropriate KVO rate.
 - Evaluate the known residual volume of any tubing, add-on pieces, etc. to accommodate flush of residual medication volume.
- The Infusion Nurses Society highlights concern of incomplete dose delivery when an intermittent medication is administered as a sole infusion:³
- If looking for clinical considerations for alternate set ups to reduce or conserve fluids for intermittent infusions, please email GMB-AlarisMedSafetyProgram@bd.com

Please refer to your individual facility policies and procedures and standards of care when considering these and any changes to current practice.

During this time there may be fluctuation in supply and demand. Please reach out to your BD Account Executive for the most up to date product availability.

For additional information and resources please see the IV Fluid and Support page at:
<https://www.bd.com/en-us/about-bd/our-company/response/helene-bd-iv-fluid-support>



For additional information, please see the following contact list.

General Product Questions and Availability	Local BD Sales Associate BD Customer Care at 1-844-823-5433
BD IV Fluid Medical Inquiries	medical.information@bd.com 1-800-555-7422 x5
BD Syringe and Prefilled Flush Medical Inquiries	medical.information@bd.com 1-800-555-7422 x5
BD Alaris™ Infusion System Clinical Practice Questions	GMB-AlarisMedSafetyProgram@bd.com

Sincerely,

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Vice President, Medical Affairs, Infusion Solutions

BD

References

1. *Small-and large-volume fluid shortages, suggestions for management and conservation*. ASHP. (2024). https://www.ashp.org/drug-shortages/shortage-resources/publications/fluid-shortages-suggestions-for-management-and-conservation_gl=1*1h6vxjt*_gcl_au*MTY2ODEzNDM3NS4xNzlyOTU0MzU0*_ga*MTczMjA0NjI2NS4xNjk4ODU0MTky*_ga_5WL5JPM7T0*MTcyODA2ODI2MC42NzEuMS4xNzI4MDY4NTgxLjU1LjAuMA..&utm_campaign=Breaking%20News&utm_medium=email&_hs_mi=327710844&utm_content=327710844&utm_source=hs_email&loginreturnUrl=SSOCheckOnly
2. *AHVAP Emergency Supply Chain Disruption Resource Center*. AHVAP. (2024). <https://www.ahvap.org/ahvap-aorn-resource-center>
3. Nickel B, Gorski LA, Kleidon TM, et al. Infusion therapy standards of practice. *J Infus Nurs*. 2024;47(suppl1):S1-S285. doi:10.1097/NAN.0000000000000532
4. Institute For Safe Medication Practices. (2015). *ISMP safe practice guidelines for adult IV push medications*. <https://www.ismp.org/sites/default/files/attachments/2017-11/ISMP97-Guidelines-071415-3.%20FINAL.pdf>