

Kap 17.2 Att prima 5-Fu

5-FU Priming Technique: I-Flow Elastomeric Pumps

According to Trissel*, “precipitation of the Roche fluorouracil was observed with all pumps; a fine white precipitate originated close to the connection junction and migrated in both directions until it occupied most of the tubing and was in the drug reservoir. In some cases, the pumps stopped due to the extent of precipitation. The authors noted that various factors, including solution pH, temperature, drug concentration and solubility, and the manipulative techniques used could contribute to precipitate formation.”

Fluorouracil precipitation issues can cause medication crystallization within the pump tubing, filter or flow restrictor, and may result in an occlusion or in a partial or no-flow condition.

In order to avoid the risk of precipitation within the tubing, the I-Flow pump can be pre-filled and primed with a small amount of normal saline so that the 5-FU solution is not in the pump IV line until the infusion is started. This technique can be used for any drug prone to precipitation.

Step-by-Step Instructions:

1. Close the clamp on the pump.
2. Fill the pump with 10 ml of normal saline.
3. Open the clamp, remove distal luer cap, and allow the pump to prime until a drop is observed at the distal end of the set.
4. Close the clamp and replace distal luer cap.
5. Fill pump with 5-FU and diluent needed per Pharmacy protocol.
6. Do not open the clamp until ready to attach to patient.

For more information, please call 949.206.2700 or 800.448.3569 (USA)
or visit www.iflo.com

*Trissel LA. Handbook on Injectable Drugs, 12th ed. Bethesda, MD: American Society of Health-System Pharmacists, 2003.