

Recommended heparin flush concentration and volumes by central line type

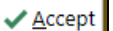
CATHETER TYPE EXAMPLES	SALINE FLUSH VOLUME	HEPARIN (10unit/mL) FLUSH VOLUME	BLOOD DRAWING/ DISCARD VOLUME	POST BLOOD DRAW SALINE FLUSH VOLUME	FREQUENCY OF HEPLOCK FLUSH
Non-Tunneled:					
Cook, Arrow (≤8 FR)	2 mL	1 mL	3 mL	5 mL	Every Mon/Wed/Fri
PICC ≥ 3 FR	5 mL	2 mL	3 mL	10 mL	Every 24 hrs
PICC < 3 FR	1 mL	0.5 mL	Do Not Draw Blood	N/A	Recommend continuous infusion *See policy content*
Umbilical Venous Catheter	0.5 mL	0.5 mL	Do Not Draw Blood	N/A	Every 8 hrs
Tunneled:					
Broviac (≥4.2 FR), Bard Purple PowerLine	5 mL	2 mL	3 mL	5 mL	Every Mon/Wed/Fri
Pediatric Broviac (2.7 FR)	2 mL	0.5 mL	1 mL	5 mL	Daily
Implanted Ports/Apheresis:					
Port-a-Cath, Medi-port, Infus-a-Port	10 mL	5 mL **Heparin 100unit/mL**	5 mL	10 mL	Accessed – flush weekly; Un-accessed – flush monthly
Apheresis	5 mL	2 mL **Heparin 100unit/mL**	5 mL	5 mL	Every Mon/Wed/Fri

****Table posted in Pediatric ED****

Heparin Flush Ordering Process:

1. Type “CVAD flush” in orders
2. Select appropriate order panel (*pediatric versus neonatal*)
3. Select appropriate flush based on type of central line

CVAD Heparin Flush Panel (PEDIATRIC Line)



- Central Venous Access Device (CVAD)
- heparin preservative-free injection 10 units/mL syringe (HEPARIN LOCK FLUSH) (\$)
 - 5 Units, Intravenous, Daily PRN, for line patency, (Non-Tunneled: PICC < 3 FR OR Tunneled: Broviac 2.7 FR) See CVAD policy for flush frequency
- heparin preservative-free injection 10 units/mL syringe (HEPARIN LOCK FLUSH) (\$)
 - 10 Units, Intravenous, Daily PRN, for line patency, (Non-Tunneled: Cook, Arrow (<= 8 FR)) See CVAD policy for flush frequency
- heparin preservative-free injection 10 units/mL syringe (HEPARIN LOCK FLUSH) (\$)
 - 20 Units, Intravenous, Daily PRN, for line patency, (Non-Tunneled: PICC >= 3 FR OR Tunneled: Broviac (>= 4.2 FR), Bard Purple PowerLine) See CVAD policy for flush frequency
- heparin, porcine (PF) 100 unit/mL injection (\$)
 - 200 Units, Intravenous, Daily PRN, for line patency, (Apheresis Catheter) See CVAD policy for flush frequency
- heparin, porcine (PF) 100 unit/mL injection (\$)
 - 500 Units, Intravenous, Daily PRN, for line patency, (Implanted Port) See CVAD policy for flush frequency