

## Antibiotic Locks

The following table indicates approved concentrations for antibiotic locks for adult patients at JMH. Total volume should be 5 mL. Please call ASP if the lock ordered is not one of the following concentrations.

<b>Drug</b>	<b>Lock Concentration</b>	<b>Solution</b>	<b>Heparin (units/mL)</b>
Cefazolin	10 mg/mL	NS	5000 units/mL
Cefazolin	500 mcg/mL	NS	100 units/mL
Cefepime	500 mcg/mL	NS	100 units/mL
Cefepime	500 mcg/mL	NS	NONE
Ceftazidime	10 mg/mL	NS	5000 units/mL
Ceftazidime	500 mcg/mL	NS	100 units/mL
Ciprofloxacin	125 mcg/mL	NS	100 units/mL
Gentamicin	1 mg/mL	NS	2500 units/mL
Vancomycin	2 mg/mL	NS	100 units/mL

Example:

- (1) Your patient is in need of a gentamicin lock
  - a. Order should read:
    - Antibiotic Lock: Gentamicin 5 mg + Heparin 12,500 units + Normal Saline to a total volume of 5 mL. Lock should be instilled after each use of the infected line, and aspirated prior to each use.

Nursing instructions for using lock:

- (1) The purpose of the lock is to attempt to clear bacteria from a line that cannot be removed.
- (2) The lock solution is therefore to be instilled in the line when not being used.
- (3) After use of the line, instill lock solution and leave until next line use.
- (4) Prior to next use of the line for other medications, ASPIRATE lock solution and DISCARD.
  - a. Do not flush. Doing so will instill antibiotic and heparin that is not intended to be used systemically.
- (5) The above locks are stable in the refrigerator for 72 hours.