



# REGIONAL ADULT PARENTERAL DRUG MONOGRAPH

GENERIC NAME  
**furosemide**

Effective Date: Dec 2011	CLASSIFICATION <b>Diuretic</b>	OTHER NAMES <b>Lasix</b>	PAGE 1 of 2
Revised Date: Nov 2024			

**ADMINISTRATION POLICY:**  
 IV Infusion – May be administered by a nurse  
 IV Intermittent – May be administered by a nurse  
 IV Bolus – May be administered by a nurse  
 Subcutaneous – May be administered by a nurse  
 IM Injection – May be administered by a nurse

**RECONSTITUTION/DILUTION/ADMINISTRATION:**  
 Available as: 10 mg/mL – 2 mL and 4 mL ampoules

**IV Bolus** (for doses less than or equal to 100 mg): Undiluted and administer up to a rate of 20 mg/minute

**IV intermittent:**  
 (for doses greater than 100 mg): Dilute in 25 to 100 mL normal saline or D5W and administer up to a rate of 4 mg/minute

**IM injection:** Administer undiluted

**IV Infusion: Pump Library:**  
*NOTE: For rates less than or equal to 10mg/hour, use the 80 mg (Final Concentration: 0.741 mg/mL) strength  
 For rates greater than 10 mg/hour, use the 250 mg (Final Concentration: 2 mg/mL) strength*

### furosemide HI

Drug Library	Dose Rate	Short Name	Care Unit
Yes	mg/h	furo250	Critical Care
Drug	Diluent	Final Volume (VTBI)	Final Concentration
250 mg (25 mL of 25 mg/mL)	100 mL NS	125 mL	2 mg/mL
Clinical Advisory:			
Soft Low Dose Limit: 1 mg/h		Soft High Dose Limit: 25 mg/h	

### furosemide LO

Drug Library	Dose Rate	Short Name	Care Unit
Yes	mg/h	furo80	General & Critical Care
Drug	Diluent	Final Volume (VTBI)	Final Concentration
80 mg (8 mL of 10 mg/mL)	100 mL NS	108 mL	0.741 mg/mL
Clinical Advisory:			
Soft Low Dose Limit: 1 mg/h		Soft High Dose Limit: 25 mg/h	



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**DOSAGE:**

**Usual:**

<b>IV bolus:</b>	20 to 100 mg
<b>IV Intermittent:</b>	100 to 200 mg (preferred when doses are greater than 100 mg)
<b>IV Infusion:</b>	10 to 40 mg/hour
<b>Maximum single dose:</b>	IV Bolus: 100 mg IV Intermittent: 200 mg
<b>Maximum daily dose:</b>	2000 mg
<b>Maximum rate:</b>	IV bolus: 40 mg/minute IV intermittent: 4 mg/minute IV infusion: 40 mg/hour
<b>Maximum concentration:</b>	10 mg/mL

**STABILITY/COMPATIBILITY:**

<b>Stability of Final Admixture:</b>	24 hours at room temperature
<b>Compatibility:</b>	Compatible with normal saline, D5W, combination dextrose-saline solutions, Lactated Ringer

**PRECAUTIONS, POTENTIAL ADVERSE REACTIONS:**

- Electrolyte imbalance (hypocalcemia, hypokalemia, hypomagnesemia, hyponatremia, hypochloremia)
- Ototoxicity: More likely to occur with large, rapid IV bolus doses in patients with renal impairment or with concurrent ototoxic drugs (e.g.: gentamicin, cisplatin, vancomycin)
- Hypovolemia, hypotension
- May precipitate gout, hyperglycemia in diabetics
- Many incompatibilities – do not mix with other injectable drugs
- Possible cross sensitivity with sulfonamides – Use with caution in patients with sulfa allergy

**ADDITIONAL NOTES AND NURSING CONSIDERATIONS:**

- Monitor serum electrolytes and sign and symptoms for electrolyte depletion
- Monitor vitals regularly
- Weigh patient daily
- Monitor intake and output
- Elderly, debilitated patients: May precipitate vascular thrombosis