

Drug: LORAZEPAM (ATIVAN)
20 mg /100 ml of D₅W (0.2 mg/ml)

Indication: Sedation in Critical Care Settings

Suggested Regimen:	Starting dose	Maintenance dose	Titration dose	Tapering Dose	Maximum Dose
	0.5 mg/hr	0.01 to 0.1 mg/kg/hr	If below sedation target, give 1 mg IV push over 2 to 5 min and increase infusion rate by 0.5 mg/hr, q 10 min.	If above sedation target, decrease infusion rate by 0.25 mg/hr, q 1 hr.	0.1 mg/kg/hr
	Increments of 0.5 mg/hr			When at sedation target, decrease infusion rate by 0.1 mg/hr, q 1 hr.	
				After interruption resume infusion at 0.1 mg/hr less than previous dose.	

Comments: Lorazepam injection must be diluted immediately prior to IV administration with an equal volume of compatible diluent (D₅W or NS). Do not shake vigorously (will result in air entrapment). Gently invert repeatedly until completely in solution.

When administering lorazepam by continuous infusion, give a bolus dose prior to each increase in infusion rate.

Infusion solutions are stable at room temperature for 12 hours in plastic, 24 hours in glass. Do not use solutions if discolored or contain a precipitate.

Monitor: Sedation level

Dose mg/hr	Rate ml/hr
0.5	2.5
1	5
1.5	7.5
2	10
2.5	12.5
3	15
3.5	17.5
4	20
4.5	22.5
5	25

Dose mg/hr	Rate ml/hr
5.5	27.5
6	30
6.5	32.5
7	35
7.5	37.5
8	40
8.5	42.5
9	45
9.5	47.5
10	50

Ref: EHC Sedation and Analgesia Protocol.

These guidelines serve to give dosage ranges and rates of administration. All clinicians are expected to be thoroughly familiar with the drugs mentioned herein.