

Approved for ED Patients

Drug: **ESMOLOL HCL (Brevibloc)**  
2.5 gm in 250 ml 0.9% NaCl (10mg/ml)

Indication 1: **Supraventricular tachycardia (SVT)**

Suggested Regimen:	Loading Dose	Initial Infusion	Titration dose	Maximum dose
	500 mcg/kg over 60 seconds, followed by maintenance infusion. May repeat loading dose with each up-titration.	50 mcg/kg/min	50 mcg/kg/min q 10 min	300 mcg/kg/min

**Precautions:** Use with extreme caution in asthmatics, diabetics, impaired renal function or patients with hx of hypotension, and CAD. May cause arrhythmia, angina, MI or death if stopped abruptly. May cause hypoglycemia and mask the symptoms.

**Monitor:** ECG, BP (hypotension), HR (bradycardia), respiratory status

**Comments:** Potent drug, must be diluted prior to its infusion. NOT compatible with sodium bicarbonate 5% inj.

**To administer loading dose, set pump rate to 500 mcg/kg/min rate from the table below for exactly 60 seconds:**

Initial dose:

Wt (kg)	50	55	60	65	70	75	80	85	90	95	100	105	110
Dose mcg/kg	Loading dose volume in ml/hr												
<b>500</b>	<b>150</b>	<b>165</b>	<b>180</b>	<b>195</b>	<b>210</b>	<b>225</b>	<b>240</b>	<b>255</b>	<b>270</b>	<b>285</b>	<b>300</b>	<b>315</b>	<b>330</b>

**After 60 seconds, drop rate to infusion rate from table below**

Maintenance dose:

Wt (kg)	50	55	60	65	70	75	80	85	90	95	100	105	110
Dose mcg/kg/min	Infusion Rate in ml/hr												
<b>50</b>	15	16.5	18	19.5	21	22.5	24	25.5	27	28.5	30	31.5	33
<b>100</b>	30	33	36	39	42	45	48	51	54	57	60	63	66
<b>150</b>	45	49.5	54	58.5	63	67.5	72	76.5	81	85.5	90	94.5	99
<b>200</b>	60	66	72	78	84	90	96	102	108	114	120	126	132
<b>250</b>	75	82.5	90	97.5	105	112.5	120	127.5	135	142.5	150	157.5	165
<b>300</b>	90	99	108	117	126	135	144	153	162	171	180	189	198

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