

**Drug: DOPAMINE HCL (Intropin)**  
**800 mg in 500 ml D<sub>5</sub>W (1.6 mg per ml)**

**Indication:** Hypotension and shock

**Suggested Regimen:**

Initial dose
5 - 10 mcg/kg/min

Average dose
20 mcg/kg/min

Titration dose	Tapering dose
5 mcg/kg/min q 10 min	5 mcg/kg/min q 30 min

Maximum dose
50 mcg/kg/min

**Precautions:** Ensure adequate intravascular volume. Avoid extravasation; may cause necrosis of tissue. Doses > 10 mcg/kg/min may cause peripheral vasoconstriction & marked increase in pulmonary occlusive pressure. Doses > 20 mcg/kg/min decrease visceral perfusion. Use 1/10 of dose for patients on MAO inhibitors.

**Monitor:** BP (initially q 2 min), cardiac output, HR, ECG (dysrhythmias), urine output, neurovascular status of extremities for signs of vasoconstriction.

**Comments:** Infusion through a central line is preferred. Dark yellow solutions indicate degradation. Incompatible with alkaline solutions.

Wt (kg)	50	55	60	65	70	75	80	85	90	95	100	105	110
Dose mcg/kg/min	Infusion Rate in ml/hr												
0.5	0.9	1	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2	2.1
1	1.9	2.1	2.3	2.4	2.6	2.8	3	3.2	3.4	3.6	3.8	3.9	4.1
2	3.8	4.1	4.5	4.9	5.3	5.6	6	6.4	6.8	7.1	7.5	7.9	8.3
3	5.6	6.2	6.8	7.3	7.9	8.4	9	9.6	10.1	10.7	11.3	11.8	12.4
4	7.5	8.3	9	9.8	10.5	11.3	12	12.8	13.5	14.3	15	15.8	16.5
5	9.4	10.3	11.3	12.2	13.1	14.1	15	15.9	16.9	17.8	18.8	19.7	20.6
6	11.3	12.4	13.5	14.6	15.8	16.9	18	19.1	20.3	21.4	22.5	23.6	24.8
7	13.1	14.4	15.8	17.1	18.4	19.7	21	22.3	23.6	24.9	26.3	27.6	28.9
8	15	16.5	18	19.5	21	22.5	24	25.5	27	28.5	30	31.5	33
9	16.9	18.6	20.3	21.9	23.6	25.3	27	28.7	30.4	32.1	33.8	35.4	37.1
10	18.8	20.6	22.5	24.4	26.3	28.1	30	31.9	33.8	35.6	37.5	39.4	41.3
15	28.1	30.9	33.8	36.6	39.4	42.2	45	47.8	50.6	53.4	56.3	59.1	61.9
20	37.5	41.3	45	48.8	52.5	56.3	60	63.8	67.5	71.3	75	78.8	82.5
25	46.9	51.6	56.3	60.9	65.6	70.3	75	79.7	84.4	89.1	93.8	98.4	103.1
30	56.3	61.9	67.5	73.1	78.8	84.4	90	95.6	101.3	106.9	112.5	118.1	123.8
35	65.6	72.2	78.8	85.3	91.9	98.4	105	111.6	118.1	124.7	131.3	137.8	144.4
40	75	82.5	90	97.5	105	112.5	120	127.5	135	142.5	150	157.5	165
45	84.4	92.8	101.3	109.7	118.1	126.6	135	143.4	151.9	160.3	168.8	177.2	185.6
50	93.8	103.1	112.5	121.9	131.3	140.6	150	159.4	168.8	178.1	187.5	196.9	206.3

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