

ISOPROTERENOL INFUSION DOSE CHART

Infusion Concentration: 200 mcg/mL

Weight Range: 0.5 to 10 kg

Final Syringe Size	Mixing Instructions	Minimum Syringe Flow Rate
20 mL	200 mcg/mL - no dilution required	0.2 mL/hr
60 mL		0.6 mL/hr
250 mL bag		-

Compatible IV Fluids: NS, D5W, Dextrose-saline solutions, D5LR, LR and R

 The chart below indicates the infusion rate in **mL/hr** based on the following calculation:

$$\text{rate (mL/hr)} = \frac{\text{dose (mcg/kg/minute)} \times \text{weight (kg)} \times 60 \text{ (minute/hour)}}{\text{concentration (mcg/mL)}}$$

Patient weight (kg)	<i>isoproterenol dose in mcg/kg/minute</i>					
	0.01	0.05	0.1	0.5	1	2
0.5	0.002	0.01	0.02	0.08	0.15	0.3
1	0.003	0.02	0.03	0.15	0.3	0.6
1.5	0.005	0.02	0.05	0.23	0.45	0.9
2	0.006	0.03	0.06	0.3	0.6	1.2
2.5	0.008	0.04	0.08	0.38	0.75	1.5
3	0.009	0.05	0.09	0.45	0.9	1.8
3.5	0.01	0.05	0.11	0.53	1.05	2.1
4	0.01	0.06	0.12	0.6	1.2	2.4
4.5	0.01	0.07	0.14	0.68	1.35	2.7
5	0.02	0.08	0.15	0.75	1.5	3
5.5	0.02	0.08	0.17	0.83	1.65	3.3
6	0.02	0.09	0.18	0.9	1.8	3.6
6.5	0.02	0.1	0.2	0.98	1.95	3.9
7	0.02	0.11	0.21	1.05	2.1	4.2
7.5	0.02	0.11	0.23	1.13	2.25	4.5
8	0.02	0.12	0.24	1.2	2.4	4.8
8.5	0.03	0.13	0.26	1.28	2.55	5.1
9	0.03	0.14	0.27	1.35	2.7	5.4
9.5	0.03	0.14	0.29	1.43	2.85	5.7
10	0.03	0.15	0.3	1.5	3	6

ISOPROTERENOL INFUSION DOSE CHART
Infusion Concentration: 200 mcg/mL
Weight Range: 10 to 100 kg

Final Syringe Size	Mixing Instructions	Minimum Syringe Flow Rate
20 mL	200 mcg/mL - no dilution required	0.2 mL/hr
60 mL		0.6 mL/hr
250 mL bag		-

Compatible IV Fluids: NS, D5W, Dextrose-saline solutions, D5LR, LR and R

 The chart below indicates the infusion rate in **mL/hr** based on the following calculation:

$$\text{rate (mL/hr)} = \frac{\text{dose (mcg/kg/minute)} \times \text{weight (kg)} \times 60 \text{ (minute/hour)}}{\text{concentration (mcg/mL)}}$$

Patient weight (kg)	<i>isoproterenol dose in mcg/kg/minute</i>					
	0.01	0.05	0.1	0.5	1	2
10	0.03	0.15	0.3	1.5	3	6
12	0.04	0.18	0.36	1.8	3.6	7.2
14	0.04	0.21	0.4	2.1	4.2	8.4
16	0.05	0.24	0.48	2.4	4.8	9.6
18	0.05	0.27	0.5	2.7	5.4	10.8
20	0.06	0.3	0.6	3	6	12
25	0.08	0.38	0.75	3.8	7.5	15
30	0.09	0.45	0.9	4.5	9	18
35	0.11	0.53	1.05	5.3	10.5	21
40	0.12	0.6	1.2	6	12	24
45	0.14	0.68	1.35	6.8	13.5	27
50	0.15	0.75	1.5	7.5	15	30
55	0.17	0.83	1.65	8.3	16.5	33
60	0.18	0.9	1.8	9	18	36
65	0.2	0.98	1.95	9.8	19.5	39
70	0.21	1.05	2.1	10.5	21	42
75	0.23	1.13	2.25	11.3	22.5	45
80	0.24	1.2	2.4	12	24	48
85	0.26	1.28	2.55	12.8	25.5	51
90	0.27	1.35	2.7	13.5	27	54
95	0.29	1.43	2.85	14.3	28.5	57
100	0.3	1.5	3	15	30	60