

ISOPROTERENOL INFUSION DOSE CHART
Infusion Concentration: 50 mcg/mL
Weight Range: 0.5 to 10 kg

Final Syringe Size	Mixing Instructions	Minimum Syringe Flow Rate
20 mL	Dilute 0.8 mg (4 mL of 0.2 mg/mL) with 12 mL of compatible solution to make a total volume of 16 mL	0.2 mL/hr
60 mL	Dilute 2.5 mg (12.5 mL of 0.2 mg/mL) with 37.5 mL of compatible solution to make a total volume of 50 mL	0.6 mL/hr
250 mL bag	Remove 62.5 mL from a 250 mL bag of compatible solution, and add 12.5 mg of isoproterenol (62.5 mL of 0.2 mg/mL) to the 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	0.006	0.03	0.06	0.3	0.6	1.2
1	0.01	0.06	0.12	0.6	1.2	2.4
1.5	0.02	0.09	0.18	0.9	1.8	3.6
2	0.02	0.12	0.24	1.2	2.4	4.8
2.5	0.03	0.15	0.3	1.5	3	6
3	0.04	0.18	0.36	1.8	3.6	7.2
3.5	0.04	0.21	0.42	2.1	4.2	8.4
4	0.05	0.24	0.48	2.4	4.8	9.6
4.5	0.05	0.27	0.54	2.7	5.4	10.8
5	0.06	0.3	0.6	3	6	12
5.5	0.07	0.33	0.66	3.3	6.6	13.2
6	0.07	0.36	0.72	3.6	7.2	14.4
6.5	0.08	0.39	0.78	3.9	7.8	15.6
7	0.08	0.42	0.84	4.2	8.4	16.8
7.5	0.09	0.45	0.9	4.5	9	18
8	0.10	0.48	0.96	4.8	9.6	19.2
8.5	0.10	0.51	1.02	5.1	10.2	20.4
9	0.11	0.54	1.08	5.4	10.8	21.6
9.5	0.11	0.57	1.14	5.7	11.4	22.8
10	0.12	0.6	1.2	6	12	24

ISOPROTERENOL INFUSION DOSE CHART
Infusion Concentration: 50 mcg/mL
Weight Range: 10 to 100 kg

Final Syringe Size	Mixing Instructions	Minimum Syringe Flow Rate
20 mL	Dilute 0.8 mg (4 mL of 0.2 mg/mL) with 12 mL of compatible solution to make a total volume of 16 mL	0.2 mL/hr
60 mL	Dilute 2.5 mg (12.5 mL of 0.2 mg/mL) with 37.5 mL of compatible solution to make a total volume of 50 mL	0.6 mL/hr
250 mL bag	Remove 62.5 mL from a 250 mL bag of compatible solution, and add 12.5 mg of isoproterenol (62.5 mL of 0.2 mg/mL) to the 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	0.12	0.6	1.2	6	12	24
12	0.14	0.72	1.44	7.2	14.4	28.8
14	0.17	0.84	1.68	8.4	16.8	33.6
16	0.19	0.96	1.92	9.6	19.2	38.4
18	0.22	1.08	2.16	10.8	21.6	43.2
20	0.24	1.2	2.4	12	24	48
25	0.3	1.5	3	15	30	60
30	0.36	1.8	3.6	18	36	72
35	0.42	2.1	4.2	21	42	84
40	0.48	2.4	4.8	24	48	96
45	0.54	2.7	5.4	27	54	108
50	0.6	3	6	30	60	120
55	0.66	3.3	6.6	33	66	132
60	0.72	3.6	7.2	36	72	144
65	0.78	3.9	7.8	39	78	156
70	0.84	4.2	8.4	42	84	168
75	0.9	4.5	9	45	90	180
80	0.96	4.8	9.6	48	96	192
85	1.02	5.1	10.2	51	102	204
90	1.08	5.4	10.8	54	108	216
95	1.14	5.7	11.4	57	114	228
100	1.2	6	12	60	120	240