

# PAEDIATRIC FENTANYL INFUSION

Concentration: 50 mcg/mL

Admixture:

Use premixed solution; 50 mcg/mL

DOSE (mcg/kg/hr)	PATIENT WEIGHT (kg)																			
	2	4	6	8	10	12	14	16	18	20	25	30	35	40	45	50	55	60	65	70
	INFUSION RATE (mL/hr)																			
0.5	0.02	0.04	0.06	0.08	0.10	0.12	0.14	0.16	0.18	0.20	0.25	0.30	0.35	0.40	0.5	0.5	0.6	0.6	0.7	0.7
1	0.04	0.08	0.12	0.16	0.20	0.24	0.28	0.32	0.36	0.40	0.5	0.6	0.7	0.8	0.9	1	1.1	1.2	1.3	1.4
1.5	0.06	0.12	0.18	0.24	0.30	0.36	0.42	0.5	0.5	0.6	0.8	0.9	1.1	1.2	1.4	1.5	1.7	1.8	2	2.1
2	0.08	0.2	0.2	0.3	0.4	0.5	0.6	0.6	0.7	0.8	1	1.2	1.4	1.6	1.8	2	2.2	2.4	2.6	2.8
2.5	0.10	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1	1.3	1.5	1.8	2	2.3	2.5	2.8	3	3.3	3.5
3	0.12	0.2	0.4	0.5	0.6	0.7	0.8	1	1.1	1.2	1.5	1.8	2.1	2.4	2.7	3	3.3	3.6	3.9	4.2
3.5	0.14	0.3	0.4	0.6	0.7	0.8	1	1.1	1.3	1.4	1.8	2.1	2.5	2.8	3.2	3.5	3.9	4.2	4.6	4.9
4	0.16	0.3	0.5	0.6	0.8	1	1.1	1.3	1.4	1.6	2	2.4	2.8	3.2	3.6	4	4.4	4.8	5.2	5.6
4.5	0.18	0.4	0.5	0.7	0.9	1.1	1.3	1.4	1.6	1.8	2.3	2.7	3.2	3.6	4.1	4.5	5	5.4	5.9	6.3
5	0.20	0.4	0.6	0.8	1	1.2	1.4	1.6	1.8	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7
5.5	0.22	0.4	0.7	0.9	1.1	1.3	1.5	1.8	2	2.2	2.8	3.3	3.9	4.4	5	5.5	6.1	6.6	7.2	7.7
6	0.24	0.5	0.7	1	1.2	1.4	1.7	1.9	2.2	2.4	3	3.6	4.2	4.8	5.4	6	6.6	7.2	7.8	8.4
6.5	0.26	0.5	0.8	1	1.3	1.6	1.8	2.1	2.3	2.6	3.3	3.9	4.6	5.2	5.9	6.5	7.2	7.8	8.5	9.1
7	0.28	0.6	0.8	1.1	1.4	1.7	2	2.2	2.5	2.8	3.5	4.2	4.9	5.6	6.3	7	7.7	8.4	9.1	9.8
7.5	0.30	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3	3.8	4.5	5.3	6	6.8	7.5	8.3	9	9.8	10.5
8	0.32	0.6	1	1.3	1.6	1.9	2.2	2.6	2.9	3.2	4	4.8	5.6	6.4	7.2	8	8.8	9.6	10.4	11.2
8.5	0.34	0.7	1	1.4	1.7	2	2.4	2.7	3.1	3.4	4.3	5.1	6	6.8	7.7	8.5	9.4	10.2	11.1	11.9
9	0.36	0.7	1.1	1.4	1.8	2.2	2.5	2.9	3.2	3.6	4.5	5.4	6.3	7.2	8.1	9	9.9	10.8	11.7	12.6
9.5	0.38	0.8	1.1	1.5	1.9	2.3	2.7	3	3.4	3.8	4.8	5.7	6.7	7.6	8.6	9.5	10.5	11.4	12.4	13.3
10	0.40	0.8	1.2	1.6	2	2.4	2.8	3.2	3.6	4	5	6	7	8	9	10	11	12	13	14

Flow rates not listed above may be calculated using the following equation:

Values have been rounded off

$$\text{mL/hr} = \frac{\text{dose (mcg/kg/hr)} \times \text{weight (kg)}}{\text{concentration of infusion soln (mcg/mL)}}$$