

# PAEDIATRIC MIDAZOLAM INFUSION

Concentration: 0.5 mg/mL

**Admixture:**

5 mg diluted to a total volume of 10 mL for 0.5 mg/mL

or

25 mg diluted to a total volume of 50 mL for 0.5 mg/mL

DOSE (mcg/kg/min)	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)																			
0.25	0.06	0.12	0.2	0.2	0.3	0.4	0.4	0.5	1	0.6	0.8	0.9	1.1	1.2	1.4	1.5	1.7	1.8	2	2.1
0.5	0.12	0.24	0.4	0.5	0.6	0.7	0.8	1.0	1.1	1.2	1.5	1.8	2.1	2.4	2.7	3	3.3	3.6	3.9	4.2
1	0.2	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
1.5	0.4	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
2	0.5	1	1.4	1.9	2.4	2.9	3.4	3.8	4.3	4.8	6	7.2	8.4	9.6	10.8	12	13.2	14.4	15.6	16.8
2.5	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4	6	7.5	9	10.5	12	13.5	15	16.5	18	19.5	21
3	0.7	1.4	2.2	2.9	3.6	4.3	5	5.8	6.5	7.2	9	10.8	12.6	14.4	16.2	18	19.8	21.6	23.4	25.2
3.5	0.8	1.7	2.5	3.4	4.2	5	5.9	6.7	7.6	8.4	10.5	12.6	14.7	16.8	18.9	21	23.1	25.2	27.3	29.4
4	1	1.9	2.9	3.8	4.8	5.8	6.7	7.7	8.6	9.6	12	14.4	16.8	19.2	21.6	24	26.4	28.8	31.2	33.6
5	1.2	2.4	3.6	4.8	6	7.2	8.4	9.6	10.8	12	15	18	21	24	27	30	33	36	39	42
6	1.4	2.9	4.3	5.8	7.2	8.6	10.1	11.5	13	14.4	18	21.6	25.2	28.8	32.4	36	39.6	43.2	46.8	50.4
7	1.7	3.4	5	6.7	8.4	10.1	11.8	13.4	15.1	16.8	21	25.2	29.4	33.6	37.8	42	46.2	50.4	54.6	58.8
8	1.9	3.8	5.8	7.7	9.6	11.5	13.4	15.4	17.3	19.2	24	28.8	33.6	38.4	43.2	48	52.8	57.6	62.4	67.2
9	2.2	4.3	6.5	8.6	10.8	13	15.1	17.3	19.4	21.6	27	32.4	37.8	43.2	48.6	54	59.4	64.8	70.2	75.6
10	2.4	4.8	7.2	9.6	12	14.4	16.8	19.2	21.6	24	30	36	42	48	54	60	66	72	78	84
11	2.6	5.3	7.9	10.6	13.2	15.8	18.5	21.1	23.8	26.4	33	39.6	46.2	52.8	59.4	66	72.6	79.2	85.8	92.4
12	2.9	5.8	8.6	11.5	14.4	17.3	20.2	23	25.9	28.8	36	43.2	50.4	57.6	64.8	72	79.2	86.4	93.6	100.8
13	3.1	6.2	9.4	12.5	15.6	18.7	21.8	25	28.1	31.2	39	46.8	54.6	62.4	70.2	78	85.8	93.6	101.4	109.2
14	3.4	6.7	10.1	13.4	16.8	20.2	23.5	26.9	30.2	33.6	42	50.4	58.8	67.2	75.6	84	92.4	100.8	109.2	117.6
15	3.6	7.2	10.8	14.4	18	21.6	25.2	28.8	32.4	36	45	54	63	72	81	90	99	108	117	126

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

Values have been rounded off

$$\text{mL/hr} = \frac{\text{dose (mcg/kg/min)} \times \text{weight (kg)} \times 60}{\text{concentration of infusion soln (mg/mL)} \times 1000}$$