VIHA
Department of Pharmacy

Paediatric
alprostadil Infusion

Concentration: 10 mcg/mL

Admixture:
100 mcg diluted to a total volume of 10 mL for 10 mcg/mL
or
500 mcg diluted to a total volume of 50 mL for 10 mcg/mL

DOSE (mcg/kg/min)	PATIENT WEIGHT (kg)																			
	2	2.2	2.4	2.6	2.8	3	3.2	3.4	3.6	3.8	4	4.2	4.4	4.6	4.8	5	5.2	5.4	5.5	5.6
	INFUSION RATE (mL/h)																			
0.01	0.12	0.13	0.14	0.16	0.17	0.18	0.19	0.2	0.22	0.23	0.24	0.25	0.26	0.28	0.29	0.3	0.31	0.32	0.33	0.34
0.02	0.24	0.26	0.29	0.31	0.34	0.36	0.38	0.41	0.43	0.46	0.48	0.5	0.53	0.55	0.58	0.6	0.62	0.65	0.66	0.67
0.03	0.36	0.4	0.43	0.47	0.5	0.54	0.58	0.61	0.65	0.68	0.72	0.76	0.79	0.83	0.86	0.9	0.94	0.97	0.99	1
0.04	0.48	0.53	0.58	0.62	0.67	0.72	0.77	0.82	0.86	0.91	0.96	1	1.1	1.1	1.2	1.2	1.2	1.3	1.3	1.3
0.05	0.60	0.66	0.72	0.78	0.84	0.9	0.96	1	1.1	1.1	1.2	1.3	1.3	1.4	1.4	1.5	1.6	1.6	1.7	1.7
0.06	0.72	0.79	0.86	0.94	1	1.1	1.2	1.2	1.3	1.4	1.4	1.5	1.6	1.7	1.7	1.8	1.9	1.9	2	2
0.07	0.84	0.92	1	1.1	1.2	1.3	1.3	1.4	1.5	1.6	1.7	1.8	1.8	1.9	2	2.1	2.2	2.3	2.3	2.4
0.08	0.96	1.1	1.2	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2	2.1	2.2	2.3	2.4	2.5	2.6	2.6	2.7
0.09	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3	3
0.1	1.2	1.3	1.4	1.6	1.7	1.8	1.9	2	2.2	2.3	2.4	2.5	2.6	2.8	2.9	3	3.1	3.2	3.3	3.4
0.12	1.4	1.6	1.7	1.9	2	2.2	2.3	2.4	2.6	2.7	2.9	3	3.2	3.3	3.5	3.6	3.7	3.9	4	4
0.14	1.7	1.8	2	2.2	2.4	2.5	2.7	2.9	3	3.2	3.4	3.5	3.7	3.9	4	4.2	4.4	4.5	4.6	4.7
0.16	1.9	2.1	2.3	2.5	2.7	2.9	3.1	3.3	3.5	3.6	3.8	4	4.2	4.4	4.6	4.8	5	5.2	5.3	5.4
0.18	2.2	2.4	2.6	2.8	3	3.2	3.5	3.7	3.9	4.1	4.3	4.5	4.8	5	5.2	5.4	5.6	5.8	5.9	6
0.2	2.4	2.6	2.9	3.1	3.4	3.6	3.8	4.1	4.3	4.6	4.8	5	5.3	5.5	5.8	6	6.2	6.5	6.6	6.7
0.22	2.6	2.9	3.2	3.4	3.7	4	4.2	4.5	4.8	5	5.3	5.5	5.8	6.1	6.3	6.6	6.9	7.1	7.3	7.4
0.24	2.9	3.2	3.5	3.7	4	4.3	4.6	4.9	5.2	5.5	5.8	6	6.3	6.6	6.9	7.2	7.5	7.8	7.9	8.1
0.26	3.1	3.4	3.7	4.1	4.4	4.7	5	5.3	5.6	5.9	6.2	6.6	6.9	7.2	7.5	7.8	8.1	8.4	8.6	8.7
0.28	3.4	3.7	4	4.4	4.7	5	5.4	5.7	6	6.4	6.7	7.1	7.4	7.7	8.1	8.4	8.7	9.1	9.2	9.4
0.3	3.6	4	4.3	4.7	5	5.4	5.8	6.1	6.5	6.8	7.2	7.6	7.9	8.3	8.6	9	9.4	9.7	9.9	10.1
0.32	3.8	4.2	4.6	5	5.4	5.8	6.1	6.5	6.9	7.3	7.7	8.1	8.4	8.8	9.2	9.6	10.0	10.4	10.6	10.8
0.34	4.1	4.5	4.9	5.3	5.7	6.1	6.5	6.9	7.3	7.8	8.2	8.6	9	9.4	9.8	10.2	10.6	11	11.2	11.4
0.36	4.3	4.8	5.2	5.6	6.0	6.5	6.9	7.3	7.8	8.2	8.6	9.1	9.5	9.9	10.4	10.8	11.2	11.7	11.9	12.1
0.38	4.6	5.0	5.5	5.9	6.4	6.8	7.3	7.8	8.2	8.7	9.1	9.6	10	10.5	10.9	11.4	11.9	12.3	12.5	12.8
0.4	4.8	5.3	5.8	6.2	6.7	7.2	7.7	8.2	8.6	9.1	9.6	10.1	10.6	11	11.5	12	12.5	13	13.2	13.4

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

Values have been rounded off

$$mL/h = \frac{\text{dose (mcg/kg/min) x weight (kg) x 60}}{\text{concentration of infusion soln (mcg/mL)}}$$

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