nitroprusside DOSAGE CHART

nitroprusside **infusion rates in mL/hour**

Weight (kg)	nitroprusside **200 mcg/mL** (0.2 mg/mL)																	
	Dosage (mcg/kg/minute)																	
	0.1	0.2	0.5	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5	8
50	2	3	8	15	23	30	38	45	53	60	68	75	83	90	98	105	113	120
55	2	3	8	17	25	33	41	50	58	66	74	83	91	99	107	116	124	132
60	2	4	9	18	27	36	45	54	63	72	81	90	99	108	117	126	135	144
65	2	4	10	20	29	39	49	59	68	78	88	98	107	117	127	137	146	156
70	2	4	11	21	32	42	53	63	74	84	95	105	116	126	137	147	158	168
75	2	5	11	23	34	45	56	68	79	90	101	113	124	135	147	158	169	180
80	2	5	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192
85	3	5	13	26	38	51	64	77	89	102	115	128	140	153	166	179	191	204
90	3	5	14	27	41	54	68	81	95	108	122	135	149	162	176	189	203	216
95	3	6	14	29	43	57	71	86	100	114	128	143	157	171	186	200	214	228
100	3	6	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240
105	3	6	16	32	47	63	79	95	110	126	142	158	173	189	205	221	236	252
110	3	7	17	33	50	66	83	99	116	132	149	165	182	198	215	231	248	264
115	3	7	17	35	52	69	86	104	121	138	155	173	190	207	224	242	259	276
120	4	7	18	36	54	72	90	108	126	144	162	180	198	216	234	252	270	288
125	4	8	19	38	56	75	94	113	131	150	169	188	206	225	244	263	281	300
130	4	8	20	39	59	78	98	117	137	156	176	195	215	234	254	273	293	312

200 mcg/mL (0.2 mg/mL)　　　= 50 mg (2 mL of 25 mg/mL) nitroprusside in 250 mL

To increase the dose by 0.2 mcg/kg/minute, determine the flow rate for this dose for the particular patient and add it to the present rate.
e.g. present dose in 70 kg man is 1.5 mcg/kg/minute (32 mL/hour using this 200 mcg/mL solution), increase by 0.2 mcg/kg/minute (= 4 mL/hour) to give a total dose of 1.7 mcg/kg/minute (36 mL/hour).

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

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