

Alteplase for Treatment of Acute Stroke

Using alteplase with concentration of 1mg/ml

The recommended total dose is 0.9 mg alteplase/kg body weight (maximum of 90 mg) starting with 10% of the total dose as an initial intravenous bolus, immediately followed by the remainder of the total dose infused intravenously over 60 minutes

Body Weight (kg)	Total Dose (mg)	Initial bolus (mg) (1-2mins)	IV infusion Dose (mg) (1 hour)	Infusion rate (mL/hr)
40	36.0	3.6	32.4	32.4
42	37.8	3.8	34.0	34.0
44	39.6	4.0	35.6	35.6
46	41.1	4.1	37.3	37.3
48	43.2	4.3	38.9	38.9
50	45.0	4.5	40.5	40.5
52	46.8	4.7	42.1	42.1
54	48.6	4.9	43.7	43.7
56	50.4	5.0	45.4	45.4
58	52.2	5.2	47.0	47.0
60	54.0	5.4	48.6	48.6
62	55.8	5.6	50.2	50.2
64	57.6	5.8	51.8	51.8
66	59.4	5.9	53.5	53.5
68	61.2	6.1	55.1	55.1
70	63.0	6.3	56.7	56.7
72	64.8	6.5	58.3	58.3
74	66.6	6.7	59.9	59.9
76	68.4	6.8	61.6	61.6
78	70.2	7.0	63.2	63.2
80	72.0	7.2	64.8	64.8
82	73.8	7.4	66.4	66.4
84	75.6	7.6	68.0	68.0
86	77.4	7.7	69.7	69.7
88	79.2	7.9	71.3	71.3
90	81.0	8.1	72.9	72.9
92	82.8	8.3	74.5	74.5
94	84.6	8.5	76.1	76.1
96	86.4	8.6	77.8	77.8
98	88.2	8.8	79.4	79.4
100 +	90.0	9.0	81.0	81.0

This information has been summarised to act as a guide for those administering IV medication. The monograph should be used in conjunction with the drug data sheet and BNF for information on dose, adverse effects, cautions and contra-indications. Further information is available from Pharmacy on 22146 or 22542