

Drug: **ALTEPLASE (ACTIVASE, tPA)**

100 mg vial accompanied by 100 ml diluent

Class: Fibrinolytic/Thrombolytic
Tissue Plasminogen ActivatorIndication: **Acute Ischemic Stroke**

Suggested Regimen:	Recommended dose	Initial dose	Remaining 90% of dose	Maximum dose
	0.9 mg/kg	10% of Total Dose	IV infusion over 1 hr	90 mg

Monitor: Stroke: cranial CT scan, improved neurological recovery

Mixing Info: **100 mg of Alteplase with 100 ml diluent (Sterile Water for Injection) resulting in 1 mg/ml solution**

- Comments:
- 100 mg vials do not contain vacuum
 - keep SWFI vial upright, insert piercing end of transfer device. **(DO NOT INVERT SWFI VIAL)**
 - hold **Alteplase** vial upside down, position center of stopper directly over transfer device exposed piercing pin & push vial down so pin is inserted into center of vial stopper.
 - invert the two vials, **Alteplase** on the bottom and **SWFI** on top. Allow the entire SWFI content to flow down the transfer device (takes approx. 2 minutes and approx. 0.5 ml of SWFI will be left in the vial).
 - remove the transfer device and dispose of properly.
 - **DO NOT SHAKE**(may swirl or rotate); allow foaming (common) to settle & solution clear, pale yellow before giving
 - **DO NOT** add to or piggyback with other meds
 - piggyback to **NS to flush after completion** of drug infusion
 - administer via a dedicated IV cannula. Use immediately after reconstitution, discard unused portions
 - administered only by credentialed physicians and registered nurses.
 - may also be used for Pulmonary Embolism: 100 mg by IV infusion over 2 hours.

Acute Ischemic Stroke**1. Initial IV Push Dose (10% of Total Dose) over 1 min**

conc: 1 mg/ml

Wt (lbs)	88	99	110	121	132	143	154	165	176	187	198	209	220
Wt (kg)	40	45	50	55	60	65	70	75	80	85	90	95	100
ml over 1 min	3.6	4.1	4.5	5	5.4	5.9	6.3	6.8	7.2	7.7	8.1	8.6	9

2. Recommended Dose 0.9 mg/kg IV infusion over 1 hr

conc: 1 mg/ml

Wt (lbs)	88	99	110	121	132	143	154	165	176	187	198	209	220
Wt (kg)	40	45	50	55	60	65	70	75	80	85	90	95	100
ml over 60min	32.4	36.5	40.5	44.6	48.6	52.7	56.7	60.8	64.8	68.9	72.9	77	81

These guidelines serve to give dosage ranges and rates of administration. All clinicians are expected to be thoroughly familiar with the drugs mentioned herein.