



Quick reference for THROMBOLYTIC THERAPY Alteplase – t-PA:

t-PA Calculations:

Maximum dose is 90 mg

Total dose to administer: $0.9\text{mg} \times X \text{ kg} = \text{Total dose mg/kg}$

- Ex. $0.9\text{mg} \times 75.5\text{kg} = 67.9\text{mg/kg}$

Calculate total dose to discard: Total dose in THROMBOLYTIC THERAPY vial – total dose of THROMBOLYTIC THERAPY to administer = dose to discard.

- Ex. $100\text{ml} - 68\text{ml} = 32\text{ml}$

Calculate bolus dose: take total dose to infuse and divide it by 10.

- Ex. $68\text{ml} / 10 = 6.8\text{ml}$

Dose to infuse: total dose to infuse minus bolus dose will = infusion dose

- Ex. $68\text{ml} - 6.8\text{ml} = 61.2\text{ml}$

Bolus dose = 6.8ml

Final dose to infuse over 1 hour via pump = 61.2ml

****NOTE: Flush must be infused at same rate as t-PA & completed within the 60 minutes. (DNV will be observing to see if waste is removed and if flush is infused within the 60-minute timeframe.)***

Supplies needed:

THROMBOLYTIC THERAPY:

t-PA- t-PA kit, Pump, 100ml saline, primary tubing, syringe, and manual BP cuff

Always refer to MV-02-053 stroke policy for the most current, up to date information

Reference: 2017 Genentech, Inc. Activase Alteplase. Dosage and Administration guidelines
Alteplase [Package Insert]. San Francisco, CA. Genetech, Inc. 2018;