For acute ischemic stroke

**Activase (alteplase)** dosing and administration

**Dosing**

The recommended dose of Activase is 0.9 mg/kg (not to exceed 90-mg total dose) infused over 60 minutes with 10% of the total dose administered as an initial intravenous (IV) bolus over 1 minute.

### Administration of bolus

**Step 1. Inspect solution**

After reconstitution to 1 mg/mL, inspect solution for particulate matter and discoloration prior to administration.

**Step 2. Discard excess**

To ensure proper dosing, discard excess by removing from vial any quantity of drug in excess of that specified for patient treatment. When drawing out excess solution, be sure to insert the needle into the peripheral area of the vial top, away from the puncture site caused by the transfer device.

**Step 3. Prepare bolus**

Withdraw 10% of the 0.9 mg/kg dose in one of the following ways:

- Remove from vial using a syringe and needle,
- Remove from port (second injection site) on infusion line after infusion set is primed, or
- Program infusion pump to deliver bolus at infusion initiation. Remember to prime the IV pump with the Activase solution so that the remainder of the infusion begins immediately following the bolus dose

**Step 4. Administer bolus**

Administer initial IV bolus over 1 minute.

### Administration of remainder of dose

**Step 5. Administer remainder**

Infuse the remaining 90% of the 0.9 mg/kg dose over 60 minutes.

100-mg vials—Spike the stopper of a reconstituted vial of Activase with a small bag (eg, 50 mL) of 0.9% Sodium Chloride, USP, with the end of the Activase infusion set when the Activase vial is empty. The infusion should continue at the same rate to ensure that all the infusion begins immediately following the bolus dose

50-mg vials—Administer using either a polyvinyl chloride bag or glass vial and infusion set.

No medication should be added to infusion solutions that contain Activase.

For specifics regarding dosing and administration, please see the Activase full Prescribing Information.

### Indication

Activase (Alteplase) is indicated for the management of acute ischemic stroke in adults for improving neurological recovery and reducing the incidence of disability. Treatment should only be initiated within 3 hours after the onset of stroke symptoms, and after exclusion of intracranial hemorrhage by a cranial computerized tomography (CT) scan or other diagnostic imaging method sensitive for the presence of hemorrhage (see CONTRAINDICATIONS in the full prescribing information).

### Important Safety Information

All thrombolytic agents increase the risk of bleeding, including intracranial bleeding, and should be used only in appropriate patients. Not all patients with acute ischemic stroke will be eligible for Activase therapy, including patients with evidence of recent or active bleeding; recent (within 3 months) intracranial or intraspinal surgery, serious head trauma, or previous stroke; uncontrolled high blood pressure; or impaired blood clotting.

Please see accompanying full Prescribing Information for additional Important Safety Information.