

## DILUTION PROTOCOL OF ALTEPLASE

### Brand name & Strength

#### ACTILYSE 50 MG

(Packaging: Powder For Infusion (Vial) 50mg X 1's +  
Water For Injection (WFI) (Vial) 50mL X 1's)



### Therapeutic indications

- Thrombolytic treatment in acute myocardial infarction.
- Thrombolytic treatment in acute massive pulmonary embolism with haemodynamic instability
- Thrombolytic treatment of acute ischaemic stroke

### Reconstitution

Reconstitute 1 vial (50mg) with 50ml of provided diluent (Concentration: 1mg/ml)  
(Reconstituted preparation is clear and colourless to pale yellow solution)

### Diluent & Further Dilution

#### 0.9% Normal Saline

- Further dilute the reconstituted solution with 0.9% Normal Saline(NS) to a minimal concentration of 0.2mg/ ml.

*Eg of dilution: 50mg (50ml) + 200ml NS = 250ml → Strength: 50mg/250ml (0.2mg/ml)*

(A further dilution of the 1mg/mL reconstituted solution with sterilised WFI or in general, the use of carbohydrate infusion solutions, e.g. dextrose is not recommended due to increasing formation of turbidity of the reconstituted solution)

### Administration

#### IV Bolus

For initial dose only (10 -15mg or 10% of total dose depends on the indication). Run over 1-2 mins then followed by IV infusion.

#### IV Infusion

1. Administration method depends on specific regimen of specific indication. For further information regarding the dose and administration method, may refer to product insert and other reliable references.
2. ACTILYSE should not be mixed with other drugs, neither in the same infusion vial nor the same venous line (not even with heparin).

### Storage & Stability

	Room Temperature ( ≤ 30°C)	Fridge (2°C - 8°C)
After reconstitution	8 Hours	24 Hours
After dilution	No data	No data

### Reference:

Product insert. Updated on 28 March 2020.

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