

## Who can administer

Administration RESTRICTED - see [Appendix 1](#)

## Important information

- **May be used only in Cardiothoracic surgery on Consultant advice**
- **Unlicensed preparation in Ireland**
- **IMPORTANT: The ACT is NOT the same as the APTT. Results are not interchangeable.**

## Available preparations

Bivalirudin 250mg vial

## Reconstitution

### Water for injection

- Add 5mL per 250mg vial
- Swirl gently until fully dissolved and the solution is clear
- Reconstitution may take 3 to 4 minutes to be complete
- **Dilute further prior to administration**
- Take 5mL (250mg) of reconstitution solution and add to 45mL infusion fluid to produce a 5mg per mL solution- this diluted solution is used for both the bolus dose and the infusion <sup>(ref 1)</sup>

## Infusion fluids

Glucose 5% or Sodium Chloride 0.9%

## Methods of intravenous administration

### Bolus intravenous injection (Cardiac surgery)

- Administer required dose as a rapid IV push

### Continuous intravenous infusion (Cardiac surgery)

- Using a 5mg per ml solution (250mg in 50mL) - set up the continuous infusion
- Adjust dose as per [Q pulse document](#)

## Dose in adults

### GUH: Only used in Cardiothoracic surgery

- See [guideline here](#)

## Monitoring

- See [guideline](#)

## Storage

- Store below 25<sup>0</sup>C

## References

1 Injectable Medicines guide, Medusa- downloaded Feb 7th, 2024

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[SPC \(US product\)](#)

## Therapeutic classification

Anticoagulant

**BNF**

[Blood clots](#)