

# Phenylephrine Intravenous for Adults

## Who can administer

Administration RESTRICTED - see [Appendix 1](#)

## Available preparations

Phenylephrine hydrochloride Injection 100micrograms/mL solution for injection/infusion (2mg/20mL)

Phenylephrine hydrochloride *pre-filled syringe* 50microgram/mL (500micrograms in 10mL)

## Reconstitution

Already in solution

## Infusion fluids

Not required- already in solution

## Methods of intravenous administration

See under 'Dose' for which route of administration to use

### Continuous intravenous infusion (administer using an electronically controlled infusion device)

- Draw up 3 x 2mg/20mL vials using a 50ml syringe (which has graduations marked up to 60ml)
- This solution contains 100micrograms/ml
- Titrate dose to response
- When an intravenous infusion is discontinued, slow the rate gradually - do not stop it abruptly <sup>(ref 1)</sup>

### Slow intravenous injection <sup>(ref 1)</sup>

- Administer required dose over 3 to 5 minutes

## Dose in adults

Hypotension - by continuous intravenous infusion - ICU, CCU, or other critical care areas only	
Initial dose	Initially 25 to 50micrograms/minute (0.25 to 0.5mL/ <b>minute</b> using a 100microgram/mL solution)
Subsequently	25 to 100microgram/minute (0.25 to 1mL/ <b>minute</b> using a 100microgram/mL solution), adjusted according to response. This corresponds to 15 to 60ml/ <b>hour</b>
<b>Note: there are references to higher doses in the literature e.g.BNF</b>	

### Hypotension - by slow intravenous injection

- Dose range 50 to 100micrograms repeated as necessary after at least 15 minutes <sup>(ref 2)</sup>
- Intravenous injections are effective for up to about 20 minutes <sup>(ref 2)</sup>

## Monitoring

- Monitor for **extravasation**
- Monitor blood pressure, heart rate
- Monitor for paraesthesia in the extremities

## Further information

- Can cause extravasation

## Storage

Store below 25°C

## References

Phenylephrine (Aguettant) SPC 27/06/2024

1: Injectable Medicines Administration Guide Medusa- downloaded March 2025

2: Martindale, accessed online via medicinescomplete March 2025

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## Therapeutic classification

Sympathomimetic vasoconstrictor