



## ADULT MEDICATION GUIDELINE

# CASPOFUNGIN

<b>Scope (Staff):</b>	All WNHS Staff
<b>Scope (Area):</b>	Obstetrics and Gynaecology

This document should be read in conjunction with the [Disclaimer](#).

## Quick Links

[Dose](#)

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## Restrictions

[Formulary: Restricted](#)

Approved for any indication as listed in the Australian Therapeutic Guidelines® (current version).

All other use requires approval from a Clinical Microbiologist or Infectious Disease Physician.

## Medication Class

Echinocandin antifungal

## Presentation

**Vial:** contains 50 mg or 70 mg of caspofungin as caspofungin acetate.

## Storage

**Vial:** store at 2 to 8 °C. Do not freeze.

## Dose

### Invasive candidiasis

**IV infusion:**

**Dose**

≤ 80kg: 70mg IV on the first day, then 50mg IV once daily.

>80kg: 70mg once daily.

## Administration

Refer to the [Australian Injectable Drugs Handbook](#)

### Route 1

**Step 1 Reconstitution:** Allow the vial to reach room temperature.

Reconstitute the vial with 10.5 mL of sodium chloride 0.9% or water for injections. Mix gently until the powder is dissolved. The solution is clear and colourless.

**Step 2 Dilution:** Dilute the dose in 250 mL of sodium chloride 0.9%. If necessary, dilute 50 mg in 100 mL of sodium chloride 0.9%.

**Step 3 Administration:** Infuse over 1 hour.

## Monitoring

Hepatic and haematological function (including haemoglobin) and potassium should be monitored weekly with prolonged therapy (i.e. longer than 7 days).

## Pregnancy

**1<sup>st</sup> Trimester:** Consider alternative

**2<sup>nd</sup> Trimester:** Consider alternative

**3<sup>rd</sup> Trimester:** Consider alternative

For more information, please contact [KEMH Obstetric Medicines Information Service](#).

## Breastfeeding

Considered safe to use.

Pharmacokinetic data including large molecular weight and high protein binding make it highly unlikely that significant quantities will pass into breastmilk and its poor oral bioavailability minimises infant absorption. Caspofungin is used therapeutically in infants when needed.

For more information, please contact [KEMH Obstetric Medicines Information Service](#).

## Comments

Caspofungin is INCOMPATIBLE with glucose containing solutions - IV lines should be flushed with sodium chloride 0.9% prior to administration.

This medication may interact with other medications; consult a clinical pharmacist for more information.

## Related Policies, Procedures & Guidelines

**Australian Commission on Safety and Quality in HealthCare Standards:**

[ACSQHC Standards>The NSQHS Standards>Preventing and Controlling Infections Standard>Antimicrobial Stewardship](#)

**WNHS Policy:**

[Antimicrobial Stewardship](#)

**WNHS Pharmaceutical and Medicines Management Guidelines:**

[Medication Management Framework](#)

## References

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