Caspofungin Intravenous Infusion for Adults

Who can administer

May be administered by registered competent doctor or nurse/midwife

Important information

- **Reserve antimicrobial:** Restricted for indications in the antimicrobial prescribing guidelines, or following approval by microbiology/infectious diseases
- There are numerous important **interactions** e.g. transplant medicines - check current BNF

Available preparations

Cancidas 50mg vial

Cancidas 70mg vial

Caspofungin 50mg vial (Clonmel)

Caspofungin 70mg vial (Clonmel)

Reconstitution

Water for injections

- 10.5ml per 50mg vial (produces a 5.2mg per ml solution)
- 10.5ml per 70mg vial (produces a 7.2mg per ml solution)
- (if a 35mg dose is required, draw up required volume from the reconstituted 50mg vial)
- **Dilute further prior to administration**

Infusion fluids

Sodium chloride 0.9%Â **ONLY**

Methods of intravenous administration

Intermittent intravenous infusion

- Add required dose to 250ml infusion fluid and administer over 60 minutes
- If necessary, doses of 50mg or 35mg may be added to 100ml of infusion fluid
- **Fluid restriction** [ref 1]**:** Final concentration must not exceed 0.5mg/mL e.g.70mg in 140mL

Dose in adults

Patient weight	Day of treatment	Dose	Frequency
Less than 80kg	Day 1	70mg	once only
	Day 2 onwards (patient **not on** enzyme inducer drugs*)	50mg	every twenty-four hours
	Day 2 onwards (patient **on** enzyme inducer drugs*)	consider, 70mg	every twenty-four hours
Greater than 80kg	Day 1	70mg	once only
	Day 2 onwards	70mg	every twenty-four hours

Higher doses [unlicensed] May be recommended by Micro/ID for specific indications. **Contact pharmacy for information on doses and administration** [(pharmacists- log in to medinfogalway to view document)]

* Enzyme inducer drugs include; for example,phenytoin, carbamazepine, rifampicin,dexamethasone, efavirenz, nevirapine

Hepatic impairment: Child-Pugh classification applies to patients with cirrhosis. If the patient has hepatic impairment but does not have cirrhosis, dosage adjustment should be discussed with Micro/ID

Hepatic impairment - SEE NOTE ABOVE	Day 1	Day 2 onwards
Moderate hepatic insufficiency(Child-Pugh score 7 to 9)	70mg once	35mg daily
Severe hepatic impairment (Child-Pugh score>9).	No dosage recommendations available based on lack of evidence-base, discuss with Micro/ID	

Renal impairment

- No dosage adjustment required

Storage

- Store between 2 to 8^0C

References

Caspofungin (Clonmel) SPC November 2022

1. Injectable medicines guide, downloaded from Medusa, 13/02/2025

Therapeutic classification

Antifungal agent