

Fluconazole

INDICATION

Treatment of systemic candidiasis and cryptococcal infections.
Anti-fungal prophylaxis for the first week of life in preterm babies less than 25 weeks.

DOSE RANGE

Prophylaxis

AGE	DOSE	FREQUENCY	ROUTE
< 14 days	6mg/kg	Every 72hours	IV or Oral
14 days to 28 days	6mg/kg	Every 48hours	IV or Oral
> 4 weeks	6mg/kg	Every 24hours	IV or Oral

Prophylaxis is given to all babies <25 week gestation for first week of life (3 doses).

Treatment

AGE	DOSE	FREQUENCY	ROUTE
< 14 days	12mg/kg	Every 72hours	IV or Oral
14 days to 28 days	12mg/kg	Every 48hours	IV or Oral
> 4 weeks	12mg/kg	Every 24hours	IV or Oral

The length of treatment is usually 3-4 weeks or longer.

Renal Impairment: Reduce treatment or prophylactic dose by 50% after initial dose when creatinine >80micromol/L.

FORM

Fluconazole 2 mg/ml solution for infusion 100ml vial

RECONSTITUTION

Reconstitution and further dilution is NOT required

DILUTION

If further dilution is considered necessary, dilute with sodium chloride 0.9% or glucose 5%.

METHOD OF ADMINISTRATION

Infusion over 15 mins

COMPATIBILITY

Solution compatibility	Glucose 5%, Glucose 10% (can be used but no compatibility information available), sodium chloride 0.9%
Solution incompatibility	No data available
IV drug compatibility	Aciclovir, benzylpenicillin, dexamethasone, dobutamine, dopamine, ganciclovir, gentamicin, heparin sodium, linezolid, meropenem, metronidazole, midazolam, morphine, phenytoin sodium, piperacillin with tazobactam, vancomycin, vecuronium, zidovudine
IV drug incompatibility	Amphotericin, ampicillin, calcium gluconate, cephalosporin antibiotics, chloramphenicol, clindamycin, co-trimoxazole, diazepam, digoxin, lipid (PN), furosemide, pantoprazole

THIS IV DRUG COMPATIBILITY INFORMATION ASSUMES MEDICINES MEET IN THE GIVING SET CLOSE TO THE CANULA. THIS LIST IS NOT EXHAUSTIVE PLEASE CONTACT PHARMACY FOR FURTHER INFORMATION ON COMPATIBILITY WITH ANY MEDICINES NOT INCLUDED.

SPECIAL MONITORING REQUIREMENTS

Monitor hepatic, renal, haematological and biochemical function tests. Discontinue if abnormal LFTs or rash occurs. Consider ECG in babies with cardiac co-morbidities. Fluconazole can increase barbiturate, phenytoin and serum caffeine levels. Rifampicin increases fluconazole metabolism (reduced fluconazole concentrations). Every 25ml of fluconazole infusion 2mg/ml contains 3.8mmol of sodium.

FURTHER INFORMATION

Cautions/ Contraindications

See Summary of Product Characteristics and BNF for Children

Side effects

See Summary of Product Characteristics and BNF for Children

Storage

Store unopened vials at room temperature. Discard any unused infusion immediately after use.

APPLICABLE LINKS

[Summary of Product Characteristics](#)

[BNFc](#)

Prepared by	Maggie Davidson	Checked by	Caroline O'Hare
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Administer reconstituted solutions immediately.

All vials, ampoules and infusion bags are for single use only unless otherwise stated.

Dose may vary depending on indication, age, renal function, hepatic function, and concomitant medications.

This monograph should be used in conjunction with the package insert, BNF for Children, and Summary of Product Characteristics. For further advice contact your clinical pharmacist or pharmacy department.