Tigecycline Intravenous for Adults



Who can administer

May be administered by registered competent doctor or nurse/midwife

Important information

• **Red light antimicrobial:** Restricted for indications in the antimicrobial prescribing guidelines, or following approval by microbiology/infectious diseases

Available preparations

Tigecycline Accord 50mg vial

Tygacil 50mg vial

Reconstitution

Sodium Chloride 0.9% or Glucose 5%

- Add **5.3ml** to each 50mg vial
- Swirl gently to dissolve.
- This produces a **10mg per ml** solution (overage in vial)
- Dilute further prior to administration.
- Reconstituted solutions are yellow to orange in colour if not the solution should be discarded
- Also discard if any particulate matter or discoloration (e.g. green or black) noted

Infusion fluids

Sodium chloride 0.9% or Glucose 5%

Methods of intravenous administration

Intermittent intravenous infusion

Add required dose to 100ml infusion fluid and administer over 30 to 60 minutes

Dose in adults

Loading (initial) dose

Give 100mg as a stat dose followed by maintenance dose below

Maintenance dose

- Give 50mg every twelve hours
- Treatment is normally continued for 5 to 14 days
- Higher loading and maintenance doses may be recommended by microbiology or ID

Hepatic impairment

In patients with severe hepatic impairment (Child Pugh C) the dose should be reduced to 25mg every

twelve hours following the initial 100mg loading dose. **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

• Patients should be treated with caution and monitored for treatment response

Renal impairment

• No dosage adjustment is necessary in patients with renal impairment.

Monitoring

- Monitoring of coagulation tests such as PT, aPTT and fibribogen advised when using tigecycline
- Special care is recommended in seriously ill patients and in patients also using anticoagulants

Further information

• Patients hypersensitive to tetracycline class antibiotics may be hypersensitive to tigecycline

Storage

Store below 25°C

References

Tygacil SPC September 2022

Tigecycline Accord SPC July 2023

Therapeutic classification

Glycylcycline antibiotic