

Who can administer

May be administered by registered competent doctor or nurse/midwife

Important information

Unlicensed preparation

Available preparations

Isoniazid 300mg in 5ml ampoules (Cemidon)

Reconstitution

Not required - already in solution

Draw up using a 5 micron filter needle

Methods of intravenous administration

Bolus intravenous injection

- Administer undiluted
- Give slowly over 3 to 5 minutes

Dose in adults

Tuberculosis, in combination with other drugs (standard unsupervised 6-month treatment)

- Give 300mg daily (initial and continuation phases)

Prevention of tuberculosis in susceptible close contacts or those who have become tuberculin positive

- Give 300mg daily

Monitoring

- Note: Cemidon contains sodium metabisulfite which may cause allergic reactions
- Baseline liver enzymes not routinely recommended in latent TB except for patients with HIV, liver disease, immediate post-partum < 3 months, or regular alcohol use ^(ref 3)
- Baseline liver enzymes recommended in treatment of active TB; repeat liver function tests monthly if:
 - abnormalities at baseline
 - symptoms consistent with hepatotoxicity develop
 - patients chronically consume alcohol
 - patients take other potentially hepatotoxic medications
 - patients have viral hepatitis or history of liver disease, human immunodeficiency virus (HIV) infection, or prior drug-induced liver injury ^(ref 3)
- If no evidence of liver disease (and pre-treatment liver function is normal), further checks are only

necessary if the patient develops fever, malaise, vomiting, jaundice or unexplained deterioration during treatment.

- Monitor: for skin reactions, temperature, liver function (weekly for the first month, then monthly)^(ref 1)
- Caution: numerous drug interactions^(ref 3)

Further information

- Give oral pyridoxine to reduce the risk of peripheral neuropathy occurring^(ref 2)
- At low temperatures, isoniazid in solution may crystallise; warm the injection to room temperature to re-dissolve the crystals before use^(ref 2)
- Injection solution is given undiluted. However, it is known to be compatible with Sodium chloride 0.9%

Storage

Store below 25°C

References

1. BNF - medicinescomplete.com. Accessed Oct 30th 2024
2. Medusa NHS Injectable Medicines Guide. Accessed Oct 30th 2024
3. Sanford Guide. Accessed Oct 30th 2024

Therapeutic classification

Antimycobacterial