

Brand Name: MEROBIN 1 INJECTION

Composition: Meropenem 1gm IP. injection

Dosage Form: Injection

Category: Broad-Spectrum Carbapenem Antibiotic

Packaging Type: Try with Vial pack

Packaging: 1 gm

Brief Product Introduction:

MEROBIN-1 is a high-potency injectable antibiotic manufactured by **AstraEureka Pharmaceutical**, a trusted **manufacturer of Meropenem compositions**. Each sterile vial contains **Meropenem 1 gm**, a broad-spectrum carbapenem antibiotic effective against a wide range of gram-positive, gram-negative, and anaerobic bacteria. It works by inhibiting bacterial cell wall synthesis, making it suitable for serious and life-threatening infections. **MEROBIN 1** is indicated for complicated intra-abdominal infections, pneumonia, urinary tract infections, skin and soft tissue infections, and meningitis. It is administered intravenously and is often used in intensive care or hospital settings. The addition of sodium carbonate ensures optimal pH for drug stability and compatibility. **MEROBIN 1** is well-tolerated and essential in combating resistant bacterial strains. Trusted by clinicians, it provides rapid and effective treatment for critical infections.

Composition:

Each vial contains:

- Meropenem (Sterile)
equivalent to Anhydrous Meropenem.....1 gm
- Sodium Carbonate Anhydrous IP
equivalent to Sodium.....90.2 mg
- Excipients q.s.

Key Benefits:

1. Broad-spectrum antibacterial coverage.
2. Effective against resistant bacterial strains.
3. Rapid onset of action.
4. Ideal for serious hospital-acquired infections.
5. Stable formulation with sodium carbonate.

Indications:

1. Complicated intra-abdominal infections.
2. Hospital-acquired and community-acquired pneumonia.

3. Urinary tract infections (including pyelonephritis).
4. Bacterial meningitis.
5. Septicemia and bloodstream infections.
6. Complicated skin and soft tissue infections.

Directions for Use:

1. Reconstitute with sterile water for injection or compatible IV fluid.
2. Administer via intravenous infusion over 15–30 minutes.
3. Use under supervision of healthcare professionals.

Dosage and Administration:

1. Adults: 500 mg to 1 gm every 8 hours IV.
2. Severe infections: Up to 2 gm every 8 hours.
3. Adjust dose in renal impairment.
4. Duration depends on type and severity of infection.

Safety Information:

1. For hospital/clinical use only.
2. Use with caution in patients with renal dysfunction.
3. Monitor for allergic reactions, especially in penicillin-sensitive individuals.
4. Avoid mixing with other drugs in the same syringe or IV line.

Mechanism of Action:

- Meropenem inhibits bacterial cell wall synthesis by binding to penicillin-binding proteins, resulting in cell lysis and death.
- Its broad-spectrum activity covers aerobic and anaerobic organisms, including multi-drug resistant strains.

Contraindications:

1. Known hypersensitivity to carbapenems or beta-lactam antibiotics.
2. Severe renal dysfunction without dose adjustment.

Side Effects:

1. Nausea, vomiting, diarrhea.
2. Headache, rash.
3. Injection site inflammation.
4. Rare: Seizures, particularly in renal impairment.

Important Notice:

- Not for self-administration.
- Should only be used under the supervision of trained healthcare professionals.
- Always complete the full course of therapy to prevent resistance.

Storage Condition:

1. Store below 25°C.
2. Protect from moisture and light.
3. Reconstituted solution should be used immediately or as per label.
4. Keep out of reach of children.

Packing Information:

- 1 gm sterile vial with try and outer box Pack
- Single-use only.

