

# Volipred 500 Injection

## Information for the Use

### Methylprednisolone (500 mg) Injection

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#### Composition:

##### Each vial contains:

- **Methylprednisolone Sodium Succinate:** 500 mg (equivalent to 500 mg Methylprednisolone).
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#### Description:

Methylprednisolone Injection is a sterile, potent corticosteroid with anti-inflammatory, immunosuppressive, and anti-allergic properties. It is used in conditions requiring rapid and intensive corticosteroid therapy.

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#### Indications:

Methylprednisolone 500 mg Injection is indicated for:

- **Severe Allergic Reactions:** Anaphylaxis and severe drug reactions.
- **Autoimmune Disorders:** Systemic lupus erythematosus, dermatomyositis, and vasculitis.
- **Rheumatic Diseases:** Severe rheumatoid arthritis and ankylosing spondylitis.
- **Neurological Disorders:** Multiple sclerosis exacerbations and myasthenia gravis.
- **Respiratory Conditions:** Acute asthma attacks and severe COPD exacerbations.
- **Shock States:** Septic shock or adrenal insufficiency crisis.

- **Severe Skin Conditions:** Stevens-Johnson syndrome and toxic epidermal necrolysis.
  - **Prevention of Organ Rejection:** In transplant patients.
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#### Mechanism of Action:

Methylprednisolone suppresses inflammation by inhibiting the release of pro-inflammatory mediators like cytokines, prostaglandins, and histamine. It also modulates immune system activity, reducing autoimmunity and hypersensitivity responses.

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#### Dosage and Administration:

- **Adults:**
    - Typical dose: 500 mg administered intravenously.
    - Repeat every 6-8 hours as required, depending on the condition.
  - **Pediatric Dose:**
    - Dosage is based on body weight (adjusted by the healthcare provider).
  - **Administration:**
    - Reconstitute the vial with sterile water or compatible diluent.
    - Administer as a slow intravenous injection or infusion over 30-60 minutes.
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#### Contraindications:

- **Hypersensitivity:** Allergy to Methylprednisolone or its components.
- **Systemic Fungal Infections.**

- **Live Vaccines:** Avoid during immunosuppressive therapy.
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#### **Precautions:**

- **Infections:** Increased susceptibility to infections; monitor closely.
  - **Adrenal Suppression:** Taper off gradually after prolonged use to avoid adrenal crisis.
  - **Diabetes:** May cause hyperglycemia; monitor blood glucose.
  - **Osteoporosis:** Use cautiously in patients at risk for bone loss.
  - **Gastrointestinal Issues:** Use with care in patients with peptic ulcers.
  - **Psychiatric Effects:** May cause mood swings, anxiety, or psychosis.
  - **Pregnancy and Lactation:**
    - Use only if benefits outweigh risks during pregnancy.
    - Caution during breastfeeding as small amounts may pass into breast milk.
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#### **Possible Side Effects:**

##### **Common side effects:**

- Nausea, vomiting, or flushing.
  - Headache or dizziness.
  - Elevated blood sugar levels.
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##### **Serious side effects:**

- **Infections:** Risk of serious infections due to immunosuppression.
  - **Adrenal Insufficiency:** With sudden discontinuation.
  - **Electrolyte Imbalance:** Hypokalemia or fluid retention.
  - **Gastrointestinal Bleeding:** Especially with long-term use.
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#### **Drug Interactions:**

- **NSAIDs:** Increased risk of gastrointestinal ulcers and bleeding.
  - **Antidiabetic Medications:** May reduce their effectiveness, requiring dose adjustments.
  - **Live Vaccines:** Should be avoided during treatment.
  - **Warfarin:** Monitor for altered anticoagulant effects.
  - **Cyclosporine:** May increase the risk of seizures.
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#### **Storage:**

- Store below 25°C.
  - Protect from light and freezing.
  - Use immediately after reconstitution and discard any unused portion.
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#### **Special Instructions:**

- Administer under strict medical supervision in a hospital or clinical setting.
  - Emergency equipment should be readily available to manage hypersensitivity reactions.
  - Monitor for signs of infection, adrenal suppression, and electrolyte imbalance during therapy.
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**Note:** Methylprednisolone Injection is a critical care medication used in life-threatening or severe conditions. Regular monitoring and adherence to prescribed dosages are essential to ensure safety and efficacy.

Manufactured in India for:



Cafoli Lifecare Pvt. Ltd.

(An ISO 9001: 2015 Certified Co.)

Plot no.: 367-FF, Industrial Area Phase-I,

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