

Jetmino 200 ML Infusion

Information for the Use

Nutritive Pure Crystalline Amino Acid Infusion (200 ml)

Composition:

Each 200 ml contains:

- **Pure Crystalline Amino Acids:** Balanced mixture of essential and non-essential amino acids.
- **Electrolytes (optional, depending on the formulation).**

Description:

Nutritive Pure Crystalline Amino Acid Infusion is a sterile, pyrogen-free intravenous formulation designed to deliver amino acids essential for protein synthesis. It serves as a key component of parenteral nutrition for patients who cannot meet their protein and nitrogen requirements through oral or enteral feeding.

Indications:

This infusion is indicated for:

- **Parenteral Nutrition:** For patients unable to consume or absorb adequate nutrients through oral or enteral feeding.
- **Severe Malnutrition:** To support nutritional recovery in patients with protein-energy deficiencies.
- **Critical Care Support:** For surgical patients, trauma cases, burns, and severe infections requiring increased protein intake.
- **Renal Support:** As part of nutritional management in patients undergoing dialysis.
- **Liver Conditions:** To manage protein needs in hepatic dysfunction or encephalopathy.

Mechanism of Action:

Amino acids in the infusion act as the building blocks of proteins, promoting tissue repair, immune function, and enzymatic processes. The formula provides a balanced nitrogen supply to minimize protein breakdown and maintain a positive nitrogen balance in the body.

Dosage and Administration:

- The dosage is individualized based on the patient's nutritional requirements, weight, and clinical condition.
- **Recommended Dose:** 1-2 grams of amino acids per kilogram of body weight per day.
- **Infusion Rate:** Should not exceed 0.1 g amino acid/kg/hour to avoid metabolic complications.
- **Administer via intravenous infusion under sterile conditions, preferably through a central or peripheral vein.**

Contraindications:

- **Hypersensitivity:** Allergy to any component of the formulation.
- **Severe Renal or Hepatic Impairment:** Without appropriate monitoring of nitrogen balance.
- **Metabolic Disorders:** Conditions such as acidosis or hyperammonemia.
- **Fluid Overload or Edema:** Avoid in cases of severe fluid retention or pulmonary edema.

Precautions:

- **Electrolyte Balance:** Regularly monitor serum electrolytes during therapy.
- **Organ Function Monitoring:** Periodic assessment of liver and kidney function is necessary.

- **Pediatric and Elderly Use:** Adjust doses carefully for these populations based on body weight and metabolic capacity.
- **Parenteral Nutrition Monitoring:** Observe for signs of overfeeding or metabolic disturbances such as hyperammonemia.

Possible Side Effects:

Common side effects:

- Nausea, vomiting, or flushing during infusion.
- Increased blood urea nitrogen (BUN) levels.

Serious side effects:

- **Allergic Reactions:** Rash, swelling, difficulty breathing.
- **Metabolic Complications:** Hyperammonemia or azotemia.
- **Local Reactions:** Phlebitis or thrombosis at the infusion site.

Drug Interactions:

- May interact with other parenteral nutrition components such as carbohydrates or lipids.
- Use cautiously with medications that affect fluid and electrolyte balance, such as diuretics or corticosteroids.

Storage:

- Store at 15°C to 30°C, away from light and moisture.
- Do not freeze.
- Use immediately after opening and discard any unused portion.

Special Instructions:

- Administer only under the guidance of a healthcare professional.
- Dilution and compatibility with other components of parenteral nutrition must be carefully assessed.

- Monitor for signs of infection or local irritation at the infusion site.

Note: Nutritive Pure Crystalline Amino Acid Infusion is part of a comprehensive nutritional regimen. It should be combined with carbohydrates, lipids, vitamins, and minerals to meet the full nutritional requirements of the patient. Frequent clinical assessments are recommended to ensure proper utilization and to avoid complications.

Manufactured in India for:

CafoliTM
L I F E C A R E

Cafoli Lifecare Pvt. Ltd.

(An ISO 9001: 2015 Certified Co.)

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