

Critsal 0.31 Respule

Brand Name: Critsal 0.31 Respule

Dosage Form: Respule (Unit-dose nebulization solution)

Therapeutic Category: Bronchodilator – Respiratory Care

Composition:

Each 2.5 ml respule contains:

- **Levosalbutamol Sulphate IP** equivalent to **Levosalbutamol 0.31 mg**
- **Sodium Chloride IP** – q.s.
- **Water for Injection IP** – q.s.
- pH adjusted with dilute hydrochloric acid and/or sodium hydroxide

Pharmacology & Mechanism of Action:

Levosalbutamol is the active (R)-enantiomer of Salbutamol, providing bronchodilation with higher receptor selectivity and reduced β_2 -adrenergic side effects. It acts by stimulating β_2 -adrenergic receptors in the bronchial smooth muscle, increasing intracellular cyclic AMP levels, leading to muscle relaxation and bronchodilation.

Indications:

- Bronchial asthma
- Acute bronchospasm
- Chronic Obstructive Pulmonary Disease (COPD)
- Wheezing and reversible obstructive airway diseases

Dosage & Administration:

- **Children (6–11 years):** One respule (0.31 mg) via nebulizer 3–4 times daily or as directed by the physician
- **Adults:** May require higher strengths (consult physician)
- For inhalation use only via nebulizer
- Do not inject or swallow
- Use under medical supervision

Contraindications:

- Hypersensitivity to Levosalbutamol or any component of the formulation
- Severe cardiac disorders such as arrhythmias or coronary insufficiency

Warnings & Precautions:

- Use with caution in patients with cardiovascular disorders, hyperthyroidism, or diabetes mellitus
- Monitor for paradoxical bronchospasm – discontinue immediately if it occurs
- Avoid use during pregnancy and lactation unless prescribed by a physician

Drug Interactions:

- Beta-blockers may reduce the effectiveness
- Use with caution in patients on MAO inhibitors or tricyclic antidepressants
- Concurrent use with other sympathomimetics may increase cardiovascular risks

Adverse Effects:

- Common: Tremor, nervousness, headache
- Occasionally: Tachycardia, palpitations, throat irritation
- Rare: Hypokalemia, muscle cramps

Storage:

- Store below 25°C
- Protect from light and moisture
- Do not freeze
- Keep out of reach of children

Manufactured in India for:

CafoliTM
L I F E C A R E

Cafoli Lifecare Pvt. Ltd.

(An ISO 9001: 2015 Certified Co.)

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