

# Coffold-LS

(Ambroxol + Levosalbutamol + Guaiphenesin Syrup)

## Each 5ml contains:

Ambroxol Hydrochloride IP..... 30mg  
Levosalbutamol (Levalbuterol) Sulphate IP (Eq. to Levosalbutamol).....1mg  
Guaiphenesin,IP .....50 mg  
Flavoured syrup base.....q.s  
Excipients.....q.s.

## Clinical Pharmacology:

**Levosalbutamol (Levalbuterol):** A selective beta-2 adrenergic receptor agonist. Stimulates receptors in airway smooth muscle, leading to relaxation and bronchodilation. Relieves bronchospasm symptoms like wheezing and shortness of breath in asthma and COPD.

**Ambroxol:** A mucolytic agent that breaks down and thins mucus in the respiratory tract. Enhances surfactant production, reducing mucus stickiness and aiding in mucus clearance through coughing.

**Guaiphenesin:** An expectorant that increases the volume and reduces the viscosity of respiratory secretions. Facilitates mucus clearance from the airways, relieving chest congestion.

## Indications:

- Bronchial Asthma: Relieves bronchospasm and improves breathing.
- Chronic Obstructive Pulmonary Disease (COPD): Eases cough and mucus buildup.
- Bronchitis: Alleviates cough and congestion.
- Respiratory Tract Infections: Clears mucus and eases coughing.

## Contraindications:

- Hypersensitivity: Do not use if allergic to any ingredients.
- Severe Cardiovascular Disorders: Avoid in patients with serious heart conditions due to the risk of increased heart rate.
- Hyperthyroidism: Not recommended for those with an overactive thyroid.
- Diabetes Mellitus: Use cautiously as it can raise blood sugar levels.

- Peptic Ulcer Disease: Caution in those with ulcers, as it may increase gastric acid production.
- Pregnancy and Lactation: Avoid unless prescribed by a doctor.
- Children below Certain Age: Not suitable for very young children without medical advice.
- Severe Renal or Hepatic Impairment: Use with caution due to altered drug metabolism.

**Adverse Effects:**

Levosalbutamol: May cause rapid heart rate, tremors, headache, nausea, or palpitations.

Ambroxol: Can cause gastrointestinal upset, skin rash, or headache.

Guaifenesin: May cause drowsiness, gastrointestinal distress, or allergic reactions.

**Precautions and Warnings:**

- Cardiovascular Monitoring: Monitor heart rate in patients with heart conditions.
- Blood Sugar Levels: Diabetics should monitor for elevated blood sugar.
- Thyroid Function: Caution in hyperthyroidism; may worsen symptoms.
- Renal and Hepatic Impairment: Adjust dosage in severe kidney or liver conditions.
- Gastrointestinal Disorders: Caution in patients with ulcers; may increase gastric acid.
- Pregnancy and Lactation: Use only if prescribed during pregnancy or breastfeeding.
- Pediatric Use: Consult a pediatrician before use in young children.
- Driving and Machinery: Avoid if dizziness occurs, as it may impair alertness.
- Overdose Risk: Seek immediate help for overdose symptoms.
- Paradoxical Bronchospasm: Discontinue use if breathing worsens.
- Hypokalemia: Monitor for low potassium levels.

**Drug Interactions:**

- Beta-Blockers: May reduce Levosalbutamol's effectiveness and exacerbate bronchospasm.
- Diuretics: Increased risk of hypokalemia when combined with Levosalbutamol.
- MAO Inhibitors: Can increase cardiovascular side effects with Levosalbutamol.
- Anticoagulants: Ambroxol might affect the metabolism of certain blood thinners.
- Cough and Cold Medications: Use cautiously with other cough suppressants.

**Overdosage:**

Levosalbutamol: May lead to severe tachycardia, tremors, headache, or hypokalemia.  
Ambroxol: Potentially severe gastrointestinal symptoms, including nausea and vomiting.  
Guaiphenesin: Can cause extreme drowsiness, nausea, or gastrointestinal upset.  
Seek immediate medical attention if overdose symptoms occur.

**Schedule H Drug:** Requires a valid prescription from a licensed healthcare provider.

**Dosage:** As directed by the physician.

**Storage:** Store in a cool, dry and dark place at room temperature (15-25°C or 59-77°F). Keep away from direct sunlight and out of reach of children. Do not freeze or refrigerate.

**Presentation:** It is available in a 100ml bottle.



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