

## Brand Name: TIFEX-BR SYRUP

**Composition:** Terbutaline Sulphate ,Bromhexine Hydrochloride ,Guaiphenesin & Menthol syrup

**Dosage Form:** SYRUP

**Category:** Expectorant & Bronchodilator Combination

**Packaging Type:** PET BOTTLE

**Packaging:** 100 ML

### Brief Product Introduction:

TIFEX-BR SYRUP is a synergistic respiratory formulation developed by **AstraEureka Pharmaceutical**, a trusted manufacturer of combination compositions targeting bronchial and respiratory ailments. Each 5 ml dose delivers the benefits of **Terbutaline**, **Bromhexine**, **Guaiphenesin**, and **Menthol**, acting as a bronchodilator, mucolytic, expectorant, and soothing agent respectively. This combination helps relieve productive cough, ease airway obstruction, liquefy thick mucus, and promote mucus clearance. TIFEX-BR is especially beneficial in treating bronchitis, asthma-associated cough, tracheobronchitis, and other conditions with viscous mucus and bronchospasm. Its fast action and non-sedative profile make it suitable for day use. It is well tolerated in adults and children under medical advice, offering quick symptomatic relief from chest congestion, wheezing, and difficult breathing.

### Composition:

#### Each 5 ml Contains:

Terbutaline Sulphate IP.....	1.25 mg
Bromhexine Hydrochloride IP.....	4 mg
Guaiphenesin IP.....	50 mg
Menthol IP.....	0.5 mg
Excipients.....	q.s.

### Key Ingredients

- **Terbutaline Sulphate (1.25 mg):** Beta-2 agonist that relaxes airway muscles and opens bronchi
- **Bromhexine HCl (4 mg):** Mucolytic that breaks down mucus and facilitates expectoration
- **Guaiphenesin (50 mg):** Expectorant that increases mucus flow and relieves chest congestion
- **Menthol (0.5 mg):** Natural cooling agent that soothes the throat and reduces irritation

### Key Benefits:

1. Effective relief from productive cough and bronchial congestion

2. Promotes mucus clearance and reduces chest tightness
3. Eases wheezing, difficulty in breathing, and spasm-induced cough
4. Fast onset of action and non-drowsy formula
5. Suitable for both upper and lower respiratory tract infections

### **Indications:**

1. Productive cough due to infection or allergy
2. Acute and chronic bronchitis
3. Asthmatic bronchitis and bronchial asthma
4. COPD-related mucus retention
5. Cough with thick sputum or mucus plugging
6. Respiratory tract infections with bronchospasm

### **Directions for Use:**

1. Shake the bottle well before each use
2. Use the dosage cup or spoon provided for accurate measurement
3. Administer orally after meals
4. Adhere strictly to physician's instructions

### **Dosage and Administration:**

1. **Adults:** 5–10 ml two or three times a day
2. **Children (6–12 years):** 5 ml two times a day
3. **Children (2–5 years):** 2.5 ml two times a day
4. Dosage may vary based on patient's age, condition, and physician's discretion
5. Do not exceed the prescribed dose

### **Mechanism of Action:**

- **Terbutaline** binds to  $\beta$ 2-adrenergic receptors in bronchial smooth muscles, causing bronchodilation and improved airflow
- **Bromhexine** depolymerizes mucopolysaccharides in the mucus, making it thinner and easier to expel
- **Guaiphenesin** stimulates respiratory tract secretions, facilitating removal of phlegm
- **Menthol** provides a cooling sensation, soothes the respiratory tract, and helps reduce throat irritation

### **Safety Information:**

1. Use under medical supervision, especially in patients with heart disease or diabetes

2. Do not use if hypersensitive to any of the components
3. Monitor for signs of palpitations or tremors in sensitive individuals
4. Keep out of reach of children
5. Not recommended for infants below 2 years unless prescribed

**Contraindications:**

1. Hypersensitivity to terbutaline, bromhexine, guaiphenesin, or menthol
2. Severe cardiac arrhythmias or ischemic heart disease
3. Active peptic ulcer (due to bromhexine)
4. Hyperthyroidism or uncontrolled diabetes (caution with terbutaline)

**Side Effects:**

1. Mild tremors, palpitations, restlessness (terbutaline)
2. Nausea, vomiting, gastric upset (guaiphenesin, bromhexine)
3. Headache, dizziness
4. Rare allergic reactions (rash, itching, swelling)

**Storage Condition:**

1. Store below 25°C in a dry place
2. Protect from sunlight and moisture
3. Keep tightly closed and out of reach of children

**Important Notice:**

- TIFEX-BR SYRUP is a prescription product
- Not suitable for dry or non-productive cough
- Do not use in conjunction with other cough suppressants without medical advice
- Seek immediate help if breathing worsens or severe side effects occur

**Packing Information:**

1. Available in PET bottle of 100 ml with tamper-evident seal
2. Supplied with measuring cap