

## **Mucocycline SR Capsules**

### **Composition:**

- **Doxycycline Hyclate 115mg equivalent to Doxycycline base of 100mg.**
- **Ambroxol HCl 75mg .**

### **Pharmacological Action:**

- **Doxycycline is active against a wide range of gram-positive & gram-negative organisms.**
- **Ambroxol is a systemic mucolytic agent, which changes the structure of bronchial secretions by reduction and fragmentation of the mucopolysaccharide fibers leading to reduced viscosity of mucus with improvement of ventilatory effect.**
- **Unlike other mucolytics, Ambroxol HCl has excellent tolerability on gastrointestinal tract and causes no disruption of gastric mucosa.**
- **The combination of both active substances enhances the penetration of Doxycycline into respiratory tract secretion due to mucolytic effect of Ambroxol HCl resulting in efficient and rapid control of the underlying infection.**

### **Indications:**

- A. Bacterial infections of upper and lower respiratory tract with high viscosity mucus.
- B. Sinusitis.
- C. Acute and chronic bronchitis.

### **Precautions:**

- ❖ Concomitant administration of Mucocycline with an anti-tussive is not recommended.
- ❖ Mucocycline should not be taken together with antacids and iron preparation.
- ❖ The concurrent use of phenylhydantoin, barbiturates, carbamazepine and alcohol shortens the doxycycline half-life.
- ❖ Mucocycline could enhance the effect of anticoagulants, digoxin and oral antidiabetics.
- ❖ Being bacteriostatic Mucocycline should not be taken with bactericidal antibiotics.

### **Contraindications:**

Mucocycline should not be used in:

- Patients known to be hypersensitive to its components.
- Children under 12 years.
- Should not be used for more than one week by liver and kidney patients.

### **Side Effects:**

- Mucocycline is generally well tolerated.
- Mild upper gastrointestinal side effects may occur.
- Allergic reaction may occur rarely, primarily skin rashes.

### **Pregnancy and Lactation:**

- Mucocycline should not be used in pregnant & lactating women.

### **Dosage and Administration:**

1 to 2 Caps per day according the severity of the disease or as recommended by the physician.