

# Doxyclop LB Capsule

## Doxycycline (100mg) + Lactobacillus (5 Billion Spores) Capsule

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This combination medication provides the dual benefit of an antibiotic (Doxycycline) and a probiotic (Lactobacillus), designed to treat bacterial infections while minimizing antibiotic-associated gastrointestinal disturbances.

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### Composition

- **Doxycycline: 100 mg**
    - A broad-spectrum antibiotic belonging to the tetracycline group.
  - **Lactobacillus: 5 Billion Spores**
    - A probiotic that helps restore gut flora balance.
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### Indications

1. **Bacterial Infections:**
    - Respiratory tract infections (e.g., pneumonia, bronchitis).
    - Urinary tract infections (UTIs).
    - Skin infections, including acne.
    - Sexually transmitted infections (STIs), such as chlamydia.
    - Rickettsial infections (e.g., typhus, Rocky Mountain spotted fever).
  2. **Gastrointestinal Support:**
    - Prevents antibiotic-associated diarrhea.
    - Restores healthy gut flora disrupted by antibiotics.
  3. **Other Uses:**
    - Prophylaxis for malaria in certain regions.
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### Dosage and Administration

- **Adults: 1 capsule once or twice daily, as prescribed by the doctor.**
- **Children (above 8 years): Dose adjusted based on body weight and condition.**
- **Take with a full glass of water to prevent esophageal irritation.**
- **Avoid lying down immediately after taking the capsule.**

**Note: Take Doxycycline on an empty stomach for better absorption, unless otherwise directed by the doctor.**

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### How It Works

1. **Doxycycline:**
    - Inhibits bacterial protein synthesis, stopping the growth of bacteria.
    - Effective against a wide range of gram-positive and gram-negative bacteria.
  2. **Lactobacillus:**
    - Promotes the growth of beneficial bacteria in the gut.
    - Reduces the risk of diarrhea, bloating, and other gastrointestinal side effects caused by antibiotics.
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### Precautions

- **Avoid in Pregnancy: Especially in the second and third trimesters due to the risk of harm to the developing fetus.**

- **Not recommended for children under 8 years, as it may cause permanent tooth discoloration.**
  - **Avoid excessive sun exposure; Doxycycline may increase sun sensitivity.**
  - **Take the capsule with adequate water to reduce the risk of stomach irritation.**
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## **Possible Side Effects**

### **Common Side Effects:**

- **Nausea or vomiting**
- **Diarrhea**
- **Abdominal pain**
- **Photosensitivity (sunburn-like reactions)**

### **Rare but Serious Side Effects:**

- **Allergic reactions (rash, swelling, difficulty breathing)**
- **Esophageal ulcers (if not taken with enough water)**
- **Fungal infections (due to prolonged antibiotic use)**

**Seek medical attention if severe or persistent symptoms occur.**

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## **Drug Interactions**

- **Avoid combining with:**
  - **Antacids, calcium, or iron supplements (may reduce Doxycycline absorption).**
  - **Blood thinners (e.g., warfarin) without monitoring.**
  - **Retinoids (e.g., isotretinoin) as they increase the risk of intracranial hypertension.**

**Inform your doctor about all medications or supplements being taken.**

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## **Storage**

- **Store in a cool, dry place, away from direct sunlight and moisture.**
  - **Keep out of reach of children.**
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**Important Note: Complete the full course of treatment, even if symptoms improve, to prevent antibiotic resistance. Consult your doctor if you experience severe side effects or do not see improvement.**

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