

Brand Name: ITRA-Q-100 CAPSULE

Composition: Itraconazole IP CAPSULE

Dosage Form: CAPSULE

Category: Antifungal (Triazole Antifungal Agent)

Packaging Type: BLISTER (MONO PACK)

Packaging: 10 × 1 × 10

Brief Product Introduction:

ITRA-Q-100 CAPSULE is a broad-spectrum systemic antifungal medication manufactured by **AstraEureka Pharmaceutical**, a recognized manufacturer of composition-based antifungal capsules. Each hard gelatin capsule contains **100 mg of Itraconazole B.P.**, a synthetic triazole compound with potent fungistatic and fungicidal activity. It works by inhibiting ergosterol synthesis, a key component of fungal cell membranes, resulting in cell death. ITRA-Q-100 is highly effective in treating **dermatophytosis, candidiasis, onychomycosis, aspergillosis**, and systemic mycoses. It is preferred for both superficial and deep fungal infections, offering excellent tissue penetration and prolonged post-treatment effects. The capsule is well absorbed when taken with food and provides sustained antifungal coverage, making it ideal for dermatological, gynecological, and respiratory fungal conditions.

Composition:

Each Hard Gelatine Capsule Contains:

Itraconazole B.P.....	100 mg
Excipients.....	q.s.

Key Ingredients

- **Itraconazole (100 mg):**
 - A broad-spectrum antifungal agent from the triazole class
 - Inhibits fungal cytochrome P450 enzyme, impairing ergosterol synthesis
 - Active against dermatophytes, yeasts, and molds

Key Benefits:

1. Broad-spectrum activity against a wide range of fungal pathogens
2. High tissue affinity and long duration of action
3. Suitable for both superficial and systemic infections
4. Effective in nail, skin, mucosal, and pulmonary fungal conditions
5. Reliable safety and efficacy profile with proper dosing

Indications:

1. Superficial fungal infections: Tinea corporis, Tinea cruris, Tinea pedis
2. Oral and esophageal candidiasis
3. Vulvovaginal candidiasis
4. Onychomycosis (nail fungal infections)
5. Systemic mycoses: Histoplasmosis, Aspergillosis, Blastomycosis
6. Seborrheic dermatitis (as per clinical advice)

Directions for Use:

1. Administer orally with food to enhance absorption
2. Swallow whole; do not chew or crush the capsule
3. Take at the same time each day as prescribed
4. Follow complete treatment course even if symptoms improve early

Dosage and Administration:

1. **Superficial infections:**
 - a. 100 mg once or twice daily for 1–2 weeks
2. **Onychomycosis:**
 - a. 200 mg daily for 3 months or
 - b. Pulse dosing: 200 mg twice daily for 1 week/month x 3 months
3. **Systemic mycoses:**
 - a. 100–200 mg twice daily (as per physician guidance)
4. Duration may vary based on infection site and severity

Mechanism of Action:

- Itraconazole inhibits **lanosterol 14 α -demethylase**, a cytochrome P450-dependent enzyme crucial in the synthesis of **ergosterol**, a vital component of the fungal cell membrane.
- Depletion of ergosterol disrupts membrane integrity and enzyme systems, causing fungal cell dysfunction and death.
- Itraconazole's lipophilic nature allows for high concentrations in skin, nails, lungs, and mucous membranes, making it effective for both topical and systemic fungal infections.

Safety Information:

1. Use only under medical supervision
2. Regular liver function monitoring during prolonged therapy
3. Not recommended for patients with congestive heart failure
4. Take with meals for optimal absorption

5. Avoid co-administration with certain drugs (e.g., rifampin, phenytoin, simvastatin) due to interactions

Contraindications:

1. Hypersensitivity to itraconazole or triazole antifungals
2. Congestive heart failure or ventricular dysfunction
3. Pregnancy and lactation (unless clearly indicated)
4. Concomitant use with drugs that prolong QT interval or are metabolized by CYP3A4

Side Effects:

1. Nausea, vomiting, abdominal pain
2. Headache or dizziness
3. Increased liver enzymes or hepatotoxicity
4. Skin rash or itching
5. Rare: Peripheral neuropathy or visual disturbances

Important Notice:

- Complete the full course of therapy to avoid relapse
- Not intended for use in minor fungal infections without medical consultation
- Inform the physician about all current medications before starting therapy
- Should not be used in self-diagnosed fungal infections

Storage Condition:

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

Packing Information:

- Supplied in **blister packs of 10 x 1 x 10 capsules**