

Brand Name: DCOFEN-AQ

Composition: Diclofenac Sodium Injection IP

Dosage Form: Injection

Category: Non-Steroidal Anti-Inflammatory Drug (Nsaid)

Packaging Type: Ampule

PACKAGING: 10 x 1 ml Ampules

Brief Product Introduction:

DCOFEN-AQ is a fast-acting injectable NSAID formulation manufactured by **AstraEureka Pharmaceutical**, a well-known **manufacturer of sterile injectable compositions**. This product delivers rapid and effective relief from pain and inflammation associated with musculoskeletal disorders, post-operative conditions, and acute injuries. Formulated with **Diclofenac Sodium**, it offers both analgesic and anti-inflammatory effects. The aqueous base ensures minimal tissue irritation and improved tolerability.

Composition:

Each 1 ml contains:

- Diclofenac Sodium IP.....75 mg
- Benzyl Alcohol IP.....4% w/w (as preservative)
- Water for Injection IP.....q.s.

Key Ingredients:

1. **Diclofenac Sodium 75 mg/ml:** A potent NSAID that provides relief from inflammation, pain, and swelling by inhibiting prostaglandin synthesis.
2. **Benzyl Alcohol 4% w/w:** Acts as a preservative to maintain sterility and extend shelf life.
3. **Water for Injection Q.S.:** Ensures solubility and isotonicity for safe intramuscular use.

Key Benefits:

1. Rapid onset of pain relief
2. Strong anti-inflammatory and antipyretic action
3. Effective in managing acute pain, arthritis, and post-operative discomfort
4. Aqueous formulation reduces local site irritation
5. Convenient single-dose administration

Indications:

1. Musculoskeletal pain
2. Rheumatoid arthritis and osteoarthritis flare-ups
3. Ankylosing spondylitis
4. Post-operative pain and inflammation
5. Renal colic and dysmenorrhea
6. Acute gout attacks
7. Sports injuries and soft tissue inflammation

Directions for Use:

1. Administer only under the supervision of a healthcare professional
2. For **intramuscular (IM) use only**
3. Inject deep into the upper outer quadrant of the gluteal muscle
4. Use sterile technique during administration
5. Do not administer intravenously or subcutaneously

Dosage and Administration:

1. **Typical Dose:** 75 mg (1 ml) once daily
2. In severe cases, a second dose may be administered after 12 hours (maximum 150 mg/day)
3. Duration of use: Short-term treatment only (usually 2–3 days)
4. Route: Intramuscular (deep gluteal injection)
5. Rotate injection site to avoid tissue damage

Safety Information:

1. Not recommended for long-term use
2. Caution in patients with renal, hepatic, or cardiac impairment
3. Avoid concurrent use with other NSAIDs
4. Monitor blood pressure, renal function, and GI symptoms during use
5. Not advised during pregnancy (especially third trimester) or breastfeeding

Mechanism of Action:

- Diclofenac inhibits **cyclooxygenase (COX-1 and COX-2)** enzymes, which are key mediators in the synthesis of **prostaglandins** involved in pain, inflammation, and fever.
- By blocking prostaglandin production at the site of inflammation, diclofenac reduces swelling, relieves pain, and lowers fever.

- Its aqueous formulation allows for **quick absorption** and onset of action when administered intramuscularly.

Contraindications:

1. Known hypersensitivity to diclofenac, aspirin, or other NSAIDs
2. Active or history of gastrointestinal bleeding or peptic ulcer
3. Severe hepatic, renal, or cardiac insufficiency
4. Asthma, urticaria, or allergic reactions after NSAID use
5. Pregnancy (especially third trimester) and lactation

Side Effects:

1. Pain, redness, or swelling at injection site
2. Gastrointestinal discomfort, nausea, or vomiting
3. Dizziness or headache
4. Elevated liver enzymes (with prolonged use)
5. Rare: Anaphylaxis, kidney dysfunction, bleeding disorders

Important Notice:

1. Intended for short-term pain management only
2. Use the lowest effective dose for the shortest duration possible
3. Not to be used as a first-line therapy for chronic pain conditions
4. Do not self-administer; medical supervision is necessary
5. Complete treatment only as prescribed

Storage Condition:

1. Store below 25°C in a cool, dry place
2. Protect from light and excessive heat
3. Do not freeze
4. Keep ampules in the original carton until ready to use

Packing Information:

- Pack of **10 x 1 ml** Ampules with try and outer box.