

# Fusicort® Max

Fusidic acid & Betamethasone

## Description

**Fusicort® Max Cream** combines the potent topical antibacterial activity of fusidic acid with the anti-inflammatory and anti-pruritic activity of the moderately potent corticosteroid betamethasone valerate.

When applied topically, fusidic acid is effective against *Staphylococci*, *Streptococci*, *Corynebacteria*, *Neisseria* and certain *Clostridia* and *Bacteroides*. The antibacterial activity of fusidic acid is not diminished in the presence of betamethasone.

## Mode of action

Fusidic acid is only effective against gram-positive bacteria such as *Streptococcus*, *Staphylococcus aureus* and *Corynebacterium minutissimum*. The antibacterial action of fusidic acid results from inhibition of bacterial protein synthesis. The drug interferes with amino acid transfer from aminoacyl-tRNA to protein on the ribosomes.

Betamethasone induces lipocortin which inhibits phospholipase A-2 enzyme which results in the inhibition of different inflammatory mediators synthesis like prostaglandins, cinins, histamines.

## Pharmacokinetics

Fusidic acid can penetrate intact human skin. As much as 2% of the amount of topically applied fusidic acid penetrates intact skin. The degree of penetration depends on factors such as the duration of exposure to fusidic acid and the condition of the skin. Fusidic acid is excreted mainly in the bile with little excreted in the urine. Dermal absorption and potency of any topical corticosteroid including betamethasone depends on the vehicle in which the steroid is delivered. Absorption of betamethasone may be higher in certain body areas such as the face, groin, axilla, or on injured or inflamed skin such as the lesions of atopic dermatitis.

## Composition

**Fusicort® Max Cream:** Each gram contains Fusidic acid BP 20 mg & Betamethasone Valerate BP 1.214 mg equivalent to Betamethasone 1 mg.

## Indications

**Fusicort Max** is indicated in eczema and dermatitis with secondary infections including atopic dermatitis, allergic and seborrhoeic dermatitis and primary irritant dermatitis.

## Dosage & administration

**Adults:** It should be applied 2 times daily and gently massaged into the affected areas for 2 weeks. A shorter course should be considered if symptoms improve.

**Children:** It is not recommended in children under 3 years of age.

## Contraindications

1. Topical hydrocortisone is contraindicated in viral tuberculosis and fungal skin infections.
2. Hypersensitivity to any of the components.

## Side effects

Possible side effects are allergic reactions, headache, skin rash, redness or itching, unusual tiredness or weakness, yellow eyes or skin.

## Use in pregnancy & lactation

*In pregnancy:* Fusidic acid and betamethasone should not be used in pregnancy.

*In lactation:* Both of them have been detected in the breast milk, so nursing mothers are advised not to use the drug.

## Precautions

Long term continuous therapy should be avoided, particularly in the face, on flexures and intertrigenous areas and in infants and children.

## Drug interactions

Other topical (skin-applied) medications that contain corticosteroids.

## Over dosage

Overdose is unlikely to occur.

## Storage

Keep out of reach of children. Store in a dry place, below 25°C temperature and protected from light.

## Packaging

**Fusicort® Max Cream:** Each pack has a tube containing 10 gm of cream.



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