



# Antiscar<sup>TM</sup> Gel

Extract of Allium cepa, Heparin & Allantoin

## Composition

**Antiscar<sup>TM</sup> Gel:** Each gram gel contains Extract of Allium cepa 100 mg, Heparin 50 IU & Allantoin 10 mg.

## Pharmacology

Extract of Allium cepa- It is derived from the membrane of Allium cepa (onion membrane). It shows antiphlogistic effects through inhibition of inflammatory mediators' secretion and anti-allergenic effect. Extract of Allium cepa inhibits growth of fibroblast of different origin, particularly keloidal fibroblasts. It has also bactericidal effect. While these properties stimulate primary wound healing, it prevents non-physiological scar formation.

Heparin- In case of local application, it shows inhibitory effect on fibroblast proliferation. While heparin increases tissue hydration, it reduces irritation resulted from induration and inflammation.

Allantoin- Allantoin stimulates cellular proliferation. It also supports the development of healthy cells. Allantoin is convenient substance for the treatment of scar through its properties of stimulating epithelization and providing elastic surface formation.

## Indications

**Antiscar<sup>TM</sup> Gel** is indicated for following scar treatment:

- hypertrophic and keloid scars
- scar that occurs after surgery
- scar that occurs after amputation, burns and trauma
- scar due to traumatic tendon contracture

## Method of application

**Antiscar<sup>TM</sup> Gel** should be applied 3-4 times a day to the affected area and massage gently in order to achieve better penetration. Continue with a circular motion until the gel is completely absorbed. Treatment may take several weeks or months depending on size of existing scars and contracture.

## Precautions

During treatment of fresh scars with this preparation, excess cold, UV lights and abrupt massage should be avoided. Avoid contact with eyes, the inside of the nose or mouth and other mucous membranes.

## Side effects

**Antiscar<sup>TM</sup> Gel** is generally well tolerated even on long term use. In rare cases some local irritations are reported such as slight erythema and itching. These side effects do not require discontinuation of the treatment.

## Drug interaction

There is no known and reported drug interaction.

## Contraindication

**Antiscar<sup>TM</sup> Gel** should not be used in patients with known hypersensitivity to any of its ingredients.

## Use in Children

**Antiscar<sup>TM</sup> Gel** is very safe and its tolerability has been proven in numerous clinical studies. Small children and even babies can be treated safely.

## Use in pregnancy & lactation

There are no studies conducted during pregnancy and lactation periods. Therefore it should be used with caution.

## Clinical studies

1. Evaluation of the use of Extract of Allium cepa, Heparin & Allantoin gel for the prevention of scar formation: Total 1,268 patients were evaluated and after 2 to 3 months of treatment with Extract of Allium cepa, Heparin & Allantoin gel, a reduction of 31.5% in mean scar width and 47.8% reduction of mean scar height at the end of the observation period.
2. Assessment of the use of Extract of Allium cepa, Allantoin, and Heparin in the early treatment of C-section scars: A total of 61 females, aged  $\geq 18$  years, who had given birth by C-section were evaluated. After six weeks of treatment, the gel showed significant improvement of the color, stiffness and irregularity of C-section scars.

## Storage condition

Store in a cool and dry place, below 25°C. Protect from direct sunlight and moisture. Do not freeze. Keep the medicine out of the reach of children.

## Presentation

**Antiscar<sup>TM</sup> Gel:** Each lamitube contains 20 gm gel.

Manufactured by

**SQUARE PHARMACEUTICALS LTD.**

**HERBAL DIVISION**

BSCIC, Pabna, Bangladesh

TM-Trade Mark

