

## Just squeeze !

### **NAME OF PRODUCT:**

VISMED<sup>®</sup> MULTI  
Lubricant eye drops

### **INDICATIONS:**

Symptoms and signs of dry eye and/or ocular surface damage, due to diseases such as superficial keratitis, Sjögren syndrome or primary dry eye syndrome. For lubrication of the eyes in case of sensation of dryness, burning and ocular fatigue and other minor complaints of no pathological significance induced, for example, by dust, smoke, dry heat, air conditioning, wind, cold, extended computer screen use or contact lens wear (rigid or soft).

### **COMPOSITION:**

#### **Active ingredient:**

Sodium hyaluronate from fermentation 0.18%

#### **Excipients:**

Sodium chloride, potassium chloride, disodium phosphate, sodium citrate, magnesium chloride, calcium chloride and water for injections. The solution is hypotonic (150 mOsm/l) and adjusted to pH 7.3.

### **PRESENTATION:**

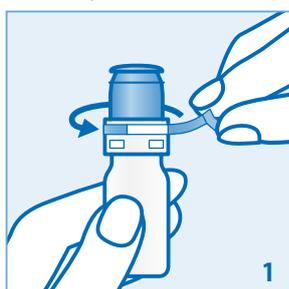
Sterile multidose container of 10 ml containing 0.18% sodium hyaluronate with an innovative squeezable dispenser for topical ophthalmic use. VISMED<sup>®</sup> MULTI is preservative-free.

### **DOSAGE AND ADMINISTRATION:**

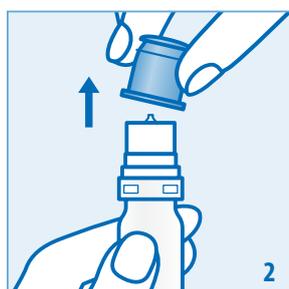
The VISMED<sup>®</sup> MULTI container is equipped with an innovative dosage system, which facilitates the instillation of the drop into the eye.

Tear off the tamper-evident seal before the first administration (Fig. 1). Remove the protective cap (Fig. 2). Tilt the head backwards and position the tip of the container above the eye to be treated. Do not touch the tip of the opened container and do not touch the surface of the eye with the tip of the container. Move the lower eyelid down with the forefinger of one hand. Press the container and one drop of VISMED<sup>®</sup> MULTI will easily flow out (Fig. 3). If not otherwise recommended, instill 1 or 2 drops of VISMED<sup>®</sup> MULTI onto the eye as often as needed. Put the protective cap back on after using VISMED<sup>®</sup> MULTI (Fig. 4). After blinking, the solution will disperse and form a transparent and long lasting coating on the surface of the eye.

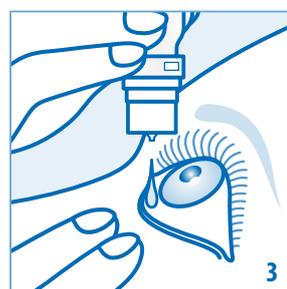
VISMED<sup>®</sup> MULTI may also be used while wearing contact lenses (rigid or soft). VISMED<sup>®</sup> MULTI can be used up to 3 months after first use.



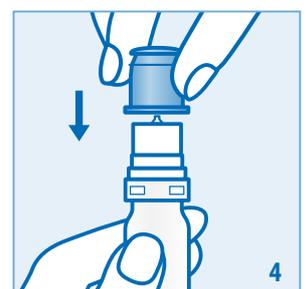
Remove the tamper-evident seal.



Remove the protective cap.



Instill one or two drops onto the eye.



Put the protective cap back on after administration.



### **CHARACTERISTICS AND MODE OF ACTION:**

VISMED® MULTI contains a highly purified specific fraction of sodium salt of hyaluronic acid produced by bacterial fermentation. Hyaluronic acid is a natural polymer which is present throughout the human body and also in the structures of human eyes. Its main physical characteristic is viscoelasticity. This means that VISMED® MULTI has a high viscosity between blinks and a low viscosity during blinking, ensuring efficient coating of the surface of the eye.<sup>1,2</sup> Hyaluronic acid also possesses mucoadhesive properties<sup>3</sup> and the ability to entrap water,<sup>4</sup> thus resembling tear mucus glycoprotein.<sup>2</sup> This, together with the coating properties of hyaluronic acid results in an increased pre-corneal residence time<sup>5</sup> and tear film break-up time<sup>6,7</sup> and therefore a longer lubrication of the corneal surface. The protective coating of the eye surface offered by VISMED® MULTI helps prevent dryness and irritation.

The core mechanisms of dry eye are driven by tear hyperosmolarity and tear film in stability.<sup>8</sup> The hypotonic solution VISMED® MULTI (150 mOsm/l) counteracts the hyperosmolarity of altered tear fluid thus limiting corneal damage.<sup>9</sup>

VISMED® MULTI has a uniquely patented formulation that contains the essential ions calcium, magnesium and potassium found in natural tears and important to maintain healthy structure and function of the cornea.<sup>10,11</sup>

### **BIOCOMPATIBILITY:**

Results of acute, sub-acute and chronic toxicity studies, together with the results of the foetal toxicity, fertility, peri- and post-natal toxicity studies show that hyaluronic acid is very well tolerated.<sup>12,13</sup> In addition, animal studies show that repeated topical ocular administration of hyaluronic acid is also well tolerated.<sup>14</sup>

### **INTERACTIONS:**

Do not use VISMED® MULTI at the same time as any other drug or product applied to the eye since it may modify their effects.

### **STORAGE:**

Store between 2°C and 25°C.

### **SHELF-LIFE:**

2 years if stored in original packaging.

### **PACKAGING:**

VISMED® MULTI is presented in a preservative-free, multidose container of 10ml.

### **REFERENCES:**

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