WHAT
Hidro Health HA

Multipurpose solution with hyaluronic acid

The most complete multipurpose solution on the market

Hidro Health HA is a multipurpose solution with hyaluronic acid used to disinfect, clean, soak, rinse and remove protein from all types of soft contact lenses, including silicone hydrogel lenses. Includes an antimicrobial lens case.

What makes Hidro Health HA the most complete multipurpose solution on the market:

- **Extended comfort. Optimal hydration**
  Contains the best wetting agent (hyaluronic acid), of the highest purity and at the highest concentration (up to 70% more than other solutions).¹

- **Effective against lipids**
  Thanks to the preventative action of hyaluronic acid and the corrective action of poloxamer.

- **Removes protein deposits**
  Contains citrate, a protein cleaning agent.

- **Optimal tolerance**
  Physiological pH and same isotonicity as tears.

- **Versatile**
  For all types of soft lenses, including silicone hydrogel lenses.

- **Safe**
  Comes with an antimicrobial lens case which prevents microbial growth and biofilm formation.

¹ X. Michael Liu et al.: Comparative Studies of Hyaluronan in Marketed Ophthalmic Products. Optometry and Vision Science. Vol. 91, Nº.1, pp. 32-38. According to this study, Hidro Health HA contains 70% more hyaluronic acid than any other product tested in the market.

² Clinical study by the UEM [Universidad Europea de Madrid (European University of Madrid)]. Seguridad y tolerancia de una solución única con hialuronato sódico. 2005.
Hidro Health HA

Multipurpose solution with hyaluronic acid
The most complete multipurpose solution on the market

Composition

Hyaluronic acid, sodium citrate, sodium chloride, poloxamer, EDTA and PHMB 0.0001%.

Benefits

More comfortable wear, for longer.
Optimal hydration.

Recommended prescription

Discomfort during wear.
Indicated for users who report discomfort during lens wear, or those wearing their lenses for long periods of time.

Other indications

- **Dry eyes**
  Hydrogel and silicone hydrogel contact lens wearers, and conventional lens wearers with dry eye problems. Also recommend moisturising drops.

- **Oily eyes**
  Hydrogel and silicone hydrogel lens wearers with oily eye problems. Lens cleaning should be supplemented with an isopropyl alcohol cleaner.

- **Sensitive eyes**
  Hydrogel lens wearers with sensitive eyes. If necessary, also rinse lenses with saline solution before insertion.
Hidro Health SiH is a specific multipurpose solution for silicone hydrogel lenses. It is very well tolerated and highly effective against lipids. Includes an antimicrobial lens case.

**What makes it effective against lipids:**

- **Protective barrier against lipids**
  Contains HPMC which forms a protective barrier against lipids ("cushion effect").

- **Surfactant which guarantees lipid removal**
  Contains poloxamer, a surfactant which ensures complete cleaning of the lenses.

- **Compatible with silicone hydrogel lenses**
  Passed the compatibility test conducted in accordance with ISO 11981.

- **Proven to effectively clean silicone hydrogel lenses**
  According to the study on silicone hydrogel lenses conducted by the Complutense University of Madrid.\(^3\)

- **Very well tolerated by users**

\(^3\) Evaluation of cleaning efficacy on 30 pairs of monthly silicone hydrogel lenses, conducted in accordance with the ISO 11980 standard for clinical investigations.
Hidro Health SiH
Specific multipurpose solution for silicone hydrogel lenses
Effective against lipid deposits

Composition

- Hydroxypropyl methylcellulose
- Poloxamer
- Sodium citrate
- EDTA 0.02%
- Polyhexanide 0.0001%

Benefits

Better quality of vision and improved wearing comfort with silicone hydrogel lenses.

Recommended prescription

Indicated for silicone hydrogel contact lens wearers with normal eyes.

Other indications

- Oily eyes
  Silicone hydrogel lens wearers with oily eye problems should complete the cleaning with an isopropyl alcohol cleaner.
Why protein removal is guaranteed:

- **Adhesion of proteins to the lens**
  Proteins are a component of tears which adhere to the lens, especially conventional hydrogel lenses, as a result of electrostatic interaction.

- **Protein binding and calcium deposits**
  This process involves proteins binding with calcium deposits which come from tears.

- **Citrates sequester calcium and weaken protein clusters**
  Citrates contained in the formula penetrate this structure and sequester calcium, thereby weakening the deposits and loosening the proteins from the lens surface.
Hidro Health Citrat

Multipurpose solution with citrates
Effectively removes protein

Composition

Sodium chloride, sodium citrate, poloxamer, hydroxypropyl methylcellulose, sodium edetate and polyhexamethylene biguanide 0.0001%.

Benefits

The presence of citrates in the formula ensures effective protein removal from disposable lenses, eliminating the need for enzymatic cleaning tablets.

Recommended prescription

Indicated for hydrogel and conventional lens wearers with normal eyes.

Other indications

For lens wearers who use a multipurpose solution for maintenance of conventional contact lenses, additional enzymatic cleaning is recommended.
Hidro Health H2O2 is a one-step peroxide system with a colour indicator for cleaning all types of contact lenses: conventional, disposable, silicone hydrogel and RGP.

Why the peroxide system is more effective:

- **Optimal disinfection without bubbles.**
  100% disinfection of 100% of the lens surface
  The neutralising tablet produces no bubbles for approximately 12 minutes, meaning that during that time, the lenses are immersed in a 3% hydrogen peroxide solution without any bubbles forming, that could prevent disinfection of certain parts of the lens.

- **The fastest-acting**
  This is the fastest-acting lens cleaning system on the market: the entire process (disinfection + neutralisation) takes only 1 hour to complete.4

- **Removes proteins**
  The system guarantees effective enzymatic cleaning.5

- **Preservative- free**
  Once neutralisation is complete, the lenses are immersed in preservative-free saline solution.6

- **More comfortable wear**
  Contains a wetting agent for more comfortable lens wear.

- **With Vitamin B2**
  Serves as a colour indicator and helps regenerate the cornea.

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4 According to a study conducted by Laboratorios Echevarne in 2013, Hidro Health H2O2 takes one hour to achieve the disinfection efficacy requirements set out under ISO 14729.

5 The deproteinising efficacy of Hidro Health H2O2 was demonstrated in a study conducted by Eurofins in 2015.

6 According to in vitro laboratory tests, the final solution is guaranteed to be free from peroxide.
Hidro Health
H2O2
One-step peroxide system with colour indicator
Maximum disinfection

Composition

Disinfecting solution: Hydrogen peroxide 3%. Neutralising tablets: Sodium chloride, disodium phosphate, polyvinylpyrrolidone, Vitamin B2, catalase 0.1 mg and excipient q.s. Preservative- free.

Benefits


Recommended prescription

Especially suitable for users of conventional contact lenses, RGP and Ortho-K.

Other indications

- **Sensitive or normal eyes**
  Silicone hydrogel, conventional hydrogel, RGP and Ortho-K contact lens wearers with sensitive or normal eyes. If necessary, use the saline solution to rinse the lenses before insertion.

- **Oily eyes**
  Conventional hydrogel, RGP and Ortho-K contact lens wearers prone to oily eyes.
  Maintenance can be completed with an isopropyl alcohol cleaner and saline solution for rinsing.

- **Dry eyes**
  For RGP and Ortho-K lens wearers with dry eye problems, the cleaning process should be completed with moisturising drops or a liposome eye spray.
Hidro Health RGP is a multipurpose solution for rigid and gas-permeable contact lenses. Simple and effective cleaning with just one product.

More convenient: comprehensive cleaning with just one product

- Acts as a multipurpose solution: good results with just one product
  - More convenient for users.

- Cleans, disinfects, stores, rinses and conditions
  - Cleaning through mechanical and chemical action.
  - Preservation guaranteed.
  - Lubricating action which minimises friction on the eye during lens wear.
Hidro Health
RGP
Multipurpose solution
One-step cleaning

**Composition**

Hydroxypropyl methylcellulose, poloxamer, sodium chloride and preserved with edetate disodium 0.1% and polyhexamethylene biguanide 0.0004%.

**Benefits**

Convenient maintenance of rigid gas-permeable lenses.

**Recommended prescription**

RGP contact lens wearers.
Very useful for lens wearers requiring a travel solution, or for those to whom convenient lens care is especially important.
Hidro Health RGP1 and RGP2 system

**Cleaner - Conditioner**

*The most effective system for RGP lens care*

**Hidro Health RGP1**
Surface cleaner with silica suspension.

**Hidro Health RGP2**
Conditioner for rinsing and storing the lenses after cleaning with RGP1.

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**Why this is the most effective system for RGP lens care**

- **Silica suspension with high deposit-eroding power**
  Thanks to the silica suspension in Hidro Health RGP1, the rubbing action achieves outstanding scrubbing and cleaning, effectively removing lipid and protein deposits.

- **Conditioner to store, moisturise and rinse the lenses**
  The conditioner acts both as a moisturising agent and disinfectant. It is used to rinse the lenses and store them overnight after the cleaning process.

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**MECHANISM OF ACTION OF THE CLEANER**

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<tr>
<th>Physical drag</th>
<th>Solvation</th>
<th>Adsorption</th>
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<tr>
<td>1. Porous cleaning solid particle</td>
<td>3. Micelle (solvate)</td>
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<tr>
<td>2. Surfactant particles</td>
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</table>

Lens surface
Hidro Health
RGP1 and RGP2 system
Cleaner - Conditioner
The most effective system for RGP lens care

Composition of Hidro Health RGP1
Sodium laureth sulphate, silica gel with solid particles as a cleaner in suspension, disodium edetate 0.1%, polyhexamethylene biguanide 0.001% in buffered polymeric carrier.

Composition of Hidro Health RGP2
Hydroxypropyl methylcellulose, poloxamer, disodium edetate 0.1% and polyhexamethylene biguanide 0.0004% in isotonic buffered polymeric carrier.

Benefits
Optimal efficacy in RGP lens care.

Recommended prescription
RGP contact lens wearers.

Other indications
- **Oily eyes**
  Rigid lens wearers should use an isopropyl alcohol cleaner and a specific conditioner.
Hidro Health DD
Moisturising drops for contact lenses
Prolongs the duration of contact lens wear over the course of the day

Hidro Health DD are moisturising drops specifically designed for users of all types of contact lenses. Contain hydroxyethyl cellulose and polyvinylpyrrolidone as wetting agents.

**Why these drops are the most appropriate for contact lenses:**

- **Two wetting agents**
  Contain two wetting agents (HEC and PVP) which are compatible with contact lenses and do not cause blurred vision.

- **Reduced contact angle**
  Improve comfort of wear by reducing the contact angle between the tear film and the lens.

- **Prolongs the duration of lens wear over the course of the day**

![CONTACT ANGLE BETWEEN TEAR FILM AND LENS](image)
Hidro Health DD

Moisturising drops for contact lenses

**Prolongs the duration of contact lens wear over the course of the day**

**Composition**

Hydroxyethyl cellulose 0.1%, polyvinylpyrrolidone 0.1%, disodium edetate 0.1 % and polyhexamethylene biguanide 0.0001% in buffered and saline solution.

**Benefits**

Improves the quality of the tear film, extending the duration of contact lens wear over the course of the day.

**Recommended prescription**

Contact lens wearers seeking to increase comfort for extended use.

**Other indications**

**Daily disposable lens wearers**

Contact lens wearers who struggle with lens insertion and removal and require the help of eye drops to facilitate handling.
Hidro Health Iso
Isopropyl alcohol cleaner
Maximum degreasing power

Hidro Health Iso is a cleaning supplement with isopropyl alcohol for all types of lenses (conventional soft hydrogel, silicone hydrogel and RGP). Removes lipid deposits.

**Why Hidro Health Iso has the highest degreasing power:**

- **The highest concentration of isopropyl alcohol on the market**
  Contains the highest concentration of isopropyl alcohol on the market (20%).

- **Removes lipids by solubilisation**
  Isopropyl alcohol is a highly effective organic solvent which removes lipids by solubilisation and is compatible with contact lens material.

- **Also contains an emulsifying surfactant**
  Also contains a surfactant cocamphodiacetate which acts as an emulsifier, helping to keep lipids suspended in the aqueous medium.

- **Contains no preservatives**
Hidro Health Iso
Isopropyl alcohol cleaner
Maximum degreasing power

**Composition**

Hydroxyethyl cellulose, disodium cocoamphodiacetate, isopropyl alcohol 20.0% and disodium edetate 0.1% in purified water.

**Benefits**

Optimal lipid removal. This product can be used in combination with other cleaning systems. Do not allow direct contact with eyes; should always be rinsed with multipurpose solution or saline solution.

**Recommended prescription**

Problem with lipid deposits on contact lenses. Complement for users of all types of contact lenses with oily eye problems; particularly suitable for silicone hydrogel contact lens wearers.
Hidro Health NaCl is an isotonic saline solution for rinsing and enzymatic cleaning of all types of contact lenses.

**Why Hidro Health NaCl is optimally tolerated:**
- Respects the tonicity and pH of the tear film
- Minimum content of low irritability preservative (PHMB)

**Composition**
Isotonic, buffered saline solution containing edetate disodium 0.05% and polyhexamethylene biguanide 0.0002%.

**Benefits**
Formulation with excellent tolerance by users.

**Recommended prescription**
Contact lens wearers who need to rinse their lenses before insertion in the eye.

**Other indications**
- **Sensitive eyes**
  Contact lens wearers with sensitive eyes should rinse the lenses after disinfection and before insertion, regardless of the cleaning system used.
- **Rinsing the lenses**
  Its use is recommended when using a lens cleaning product which cannot come into direct contact with the eyes.
Hidro Health Enzyme are enzyme tablets with subtilisin to remove protein, lipid, calcium and mucin deposits. For users of soft and gas-permeable contact lenses. Soluble in multipurpose, saline and peroxide solutions.

**How the product effectively removes protein deposits**

- **Subtilisin breaks down proteins**
  Contains subtilisin, a microbial protease which produces a proteolytic chemical reaction, resulting in protein fragmentation.

- **Amino acids and protein fragments (peptides) are water soluble**
  The resulting fragments are flushed away with the aqueous solution and hence eliminated.

**Composition**

1.5 mg subtilisin, excipient q.s. per tablet.

**Benefits**

Effectively removes protein deposits from lenses.

**Recommended prescription**

Soft and gas-permeable contact lenses prone to excessive protein deposits.

**Other indications**

Users of conventional contact lenses (annual replacement) who use a multipurpose solution as a cleaning system must also perform enzymatic cleaning to remove protein deposits.
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<tr>
<th>LENS TYPE</th>
<th>EYE TYPE</th>
<th>Disposable hydrogel</th>
<th>Disposable silicone hydrogel</th>
<th>Conventional</th>
<th>Daily disposable</th>
<th>RGP and Ortho-K</th>
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**Care system**

- Hidro Health HA
- Hidro Health H2O2
- Hidro Health NaCl
- Hidro Health Enzyme
- Acuaiss Ultra
- Acuaiss single-dose drops
- Hidro Health DD
- Hidro Health SiH
- Hidro Health H2O2
- Hidro Health Citrat
- Hidro Health Enzyme
- Acuaiss single-dose drops
- Hidro Health DD