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Volk Optical Vitrectomy Autoclave Sterilizable (ACS®) Contact Lenses

ENGLISH: INSTRUCTIONS FOR USE

INTENDED USE

Volk Vitrectomy ACS® Contact Lenses are indicated for use as diagnostic contact lenses for eye fundus examinations and use in the therapy of intraocular

SPECIFICATIONS

Product	Magnification	Field of View	Available Contact Designs	Anti-Reflective Laser Coating
MiniQuad® ACS® (VMQVITACS, VMQVITSSVACS)	0.39	106° - 127°	Standard Fluid or SSV®	None
Central Retinal ACS® (VCRLVITACS, VCRLVITSSVACS)	0.71	73° - 88°	Standard Fluid or SSV®	None
HRX Vit ACS® (VHRXVITACS, VHRXVITSSVACS)	0.43	130° - 150°	Standard Fluid or SSV®	None

INDICATIONS FOR USE

- To be used by a licensed physician in a method consistent with other contact vitreo-retinal surgical lenses
- Volk Vitrectomy ACS® Contact Lenses are designed for steam sterilization.
- 3. The Standard Fluid contact style is designed to be used with a standard size suture ring, or stabilizing ring, the VitreoLens Handle®, or the Volk Infusion Handle.
- The self-stabilizing (SSV®) contact style provides stable lens positioning on the eye without a suture-down ring. If your lens requires a stabilization, place the lens in a suture/stabilizing ring or in the Volk VitreoLens Handle®. If corneal irrigation is desired place 5 the lens in the Volk Infusion Handle
- 6. It is suggested that an appropriate diffusion or bullet-type fiberoptic light pipe and a high intensity light source be used to provide illumination of the retina
- 7. Sterilized lenses should be allowed to stabilize to the ambient air temperature of the operating room; this reduces unintended fogging during
- surgery.

 Both contact designs require a viscous, sterile tear-like fluid (methylcellulose or similar interface solution) applied to the concave contact surface. 8. (patient side). Apply a drop of sterile viscous, tear-like coupling fluid to the concave contact surface at the point of use.

 The optical components of Volk Vitrectomy ACS® Contact Lenses are uncoated and are not recommended for laser therapy. Volk Optical
- 9. recommends using anti-reflective coated lenses to optimize laser throughput. Please check with Volk Optical for additional information on other
- Vitrectomy Lenses, coating styles, and laser treatments.
 The Volk Vitrectomy ACS® Contact Lenses are designed so the imaging lens portion can be easily removed from the contact portion for cleaning and sterilizing. A clockwise motion is used to thread the upper imaging lens element onto the contact/base housing. A counter-clockwise motion is similarly used to separate the two elements. When assembling the lens, the imaging lens assembly should be threaded onto the contact/base housing until the rotating imaging lens assembly gently seats with the contact/base housing. This places the optical elements in their optimum position for retinal imaging.
- 11. Inspect the contacting surface(s) prior to use to ensure they are free from damage including chips or scratches.

WARNINGS:

- DO NOT USE THE LENS WHEN THE CONTACTING SURFACE(S) SHOW(S) ANY SIGNS OF DAMAGE.
- DO NOT ATTEMPT TO USE THE LENS UNLESS AN ADEQUATE TYPE AND AMOUNT OF COUPLING FLUID IS PRESENT BETWEEN THE 2 CORNEA AND THE CONTACTING LENS SURFACE.
- 3. CARE SHOULD BE TAKEN TO AVOID EXCESSIVE PRESSURE ON THE CORNEA AS IT MAY AFFECT AQUEOUS DYNAMICS.
- DO NOT ATTEMPT TO USE THE LENS IF, FOR ANY REASON, THE RETINAL IMAGE IS UNCLEAR OR UNFOCUSED. 4.

<u> CAUTION:</u>

- UNDUE TIGHTENING OF THE THREADED IMAGING LENS ASSEMBLY CAN DAMAGE YOUR VOLK VITRECTOMY ACS® LENS.
- ANY SERIOUS INCIDENT THAT HAS OCCURRED IN RELATION TO THE DEVICE SHOULD BE REPORTED TO THE MANUFACTURER AND THE COMPETENT AUTHORITY OF THE MEMBER STATE IN WHICH THE USER AND/OR PATIENT IS ESTABLISHED.

REPROCESSING

MARNING

- A THOROUGH MANUAL CLEANING PROCESS IS RECOMMENDED.
- 2. CORROSIVE CLEANING AGENTS (I.E. ACIDS, ALKALINES, ETC) ARE NOT RECOMMENDED. DETERGENT CLEANING AGENTS WITH NEUTRAL PH ARE RECOMMENDED.

REPROCESSING LIMITATIONS:

Repeated cleaning, disinfection, and sterilization have minimal effect on Volk Vitrectomy ACS™ Contact Lenses when processed according to instructions. End of the product's life cycle is normally determined by wear and damage due to use.

PREPARATION AT THE POINT OF USE:

- New or used, contaminated lenses must be cleaned.
- Body fluids should not be allowed to dry on the device prior to cleaning. Remove excess body fluids
- Universal precautions for handling contaminated materials should be observed.

 Instruments should be cleaned as soon as possible after use to minimize the drying of contaminants to the surface.
- Devices should always be handled in an appropriate method to ensure contamination is not introduced to a recently cleaned, disinfected, and/or sterilized device

PREPARATION BEFORE CLEANING:

The following cleaning, disinfection, and sterilization instructions are aided by not allowing contamination to dry on the lens surface. When possible, place the lenses in water or cover them with a damp cloth.

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CLEANING, DISINFECTION, STERILIZATION

CLEANING:

Select the desired method of cleaning:

Method A	Clean with a mild detergent and a clean, soft cotton cloth or swab. Clean lens surface in a clockwise direction to help prevent loosening of the retaining ring within the housing. Do not use detergents containing Emollients (moisturizers).					
Method B	Clean the glass element with Volk Precision Optical Lens Cleaner (POLC) or a Volk LensPen®. Clean lens surface in a clockwise direction to help prevent loosening of the retaining ring within the housing. CAUTION: Do not use Volk's POLC, or the Volk LensPen® on surfaces that contact the eye.					
Method C	1. Prepare fresh enzymatic cleaner (e.g. Enzol) solution – 2 ounces per gallon using warm (~30 - 43°C) tap water. 2. Soak each device in solution for 20 minutes. 3. After soaking, brush knurled surface on device ring with a soft-bristle brush and wipe lens portion with a soft cloth until all traces of cleaner and soil are removed. Clean lens surface in a clockwise direction. Pay special attention to all crevices and other hard-to-reach areas. NOTE: Do not brush lens portion to avoid scratching; use soft cloth. 4. Thoroughly rinse devices in a room temperature tap water bath (not under running water) until all visible cleaner has been removed. 5. Transfer the device(s) to a freshly prepared enzymatic solution (per step 1 above) and sonicate for 20 minutes. 6. After sonication, thoroughly rinse device(s) in a room temperature tap water bath (not under running water) until all visible cleaner has been removed. 7. Inspect each device for remaining debris. If any is observed, repeat the cleaning procedure with freshly prepared cleaning solutions.					

DISINFECTION:

- Reusable surgical devices require full sterilization. Disinfection is only acceptable as an optional step, next to full sterilization.
- Follow the **Method A** or **Method C** cleaning instructions. Select **one** of the solution types from the table below:

DISINFECTANT	CONCENTRATION	MIN SOAK TIME	MAX SOAK TIME
Glutaraldehyde	2% aqueous solution	25 minutes	N/A
Sodium hypochlorite (5000 ppm NaClO)	9-parts water:1-part household bleach (5.25% NaCIO)	25 minutes	25 minutes
Cidex OPA	See Manufacturer's Instructions	12 minutes	N/A

- Position the lens on its side, and then immerse the device completely in the selected disinfectant solution for the minimum soak time listed above (minimum of 20°C). Ensure to fill all lumens, hard-to-reach areas, and eliminate air pockets.
- Rinse thoroughly in a room temperature water bath (minimum of 20°C). Rinse by immersing device completely for a minimum of one minute. Manually flush all lumens or other hard-to-reach areas with water. Agitate device under water, bring above water level, then re-immerse. Repeat rinse procedure two additional times using fresh water.
- Dry with a soft, lint-free cotton cloth,

♠ CAUTION.

- ENSURE THE DEVICE IS COMPLETELY SUBMERGED IN THE DISINTECTANT SOLUTION FOR THE ENTIRITY OF THE RECOMMENDED OR DESIRED SOAK TIME. DO NOT ALLOW THE DEVICE TO BECOME UNSUBMERGED FROM THE DISINFECTANT SOLUTION.
- EXTENDED EXPOSURE AND/OR EXPOSURE TO HIGHER CONCENTRATIONS OF SODIUM HYPOCHLORITE WILL RESULT IN ACCELERATED DEGRADATION OF THE PRODUCT. 2.

STERILIZATION:

- Follow the Method C cleaning instructions.
- Steam sterilization is the preferred method of sterilization. Steam sterilize using a pre-vacuum cycle for 4 minutes at a minimum temperature of 132°C (270°F). Volk recommends using distilled water for steam sterilization. The use of distilled water greatly increases the lifetime of your Volk Vitrectomy ACS™ Contact Lens. Where the use of distilled water is not practical, the use of a reverse osmosis (RO) filter is recommended just prior to the autoclave water intake. - or -
- Ethylene oxide sterilize at an exposure time of 120 minutes, sterilant concentration of 700 750 mg/L, a humidity of 50 +/- 20%, and a temperature of 52 - 60°C.

INSPECTION, MAINTENANCE, & TESTING

- Carefully check to ensure that all visible debris has been removed. If any contamination is visible, repeat the cleaning procedure.
- Visually check for damage and/or wear.
- If damage or wear is apparent that may interfere with the performance of the lens, contact Volk Optical or your distributor for return.
- No maintenance activities are necessary.

PACKAGING & STORAGE

- The user facility is responsible for in-house procedures for inspection and packaging of lenses in a method that will allow adequate sterilization.
- If applicable, use standard double wrap method.
 Sterile instruments should be stored in an area that provides protection from loss of sterility.

DEVICE DISPOSAL

Disposal of this product in an unlawful manner may have a negative impact on human health and on the environment. Do not dispose the lens as unsorted municipal waste. When disposing of this product, please follow the procedure which conforms with the laws and regulations applicable to your area.



Consult the Instructions for Use for important cautionary information

LOT Lot number

Reference number



Manufacturer



Authorized representative in the European Community



Date of manufacture



Medical Device

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