

CLEANING

1. Cleaning should be performed regularly to remove bodily fluids, dust and soil on the surface of the lens.
2. Select the appropriate method of cleaning from the CLEANING METHODS TABLE listed below.
3. If the lens is to be sterilized prior to its re-use, Volk recommends that it first be cleaned using cleaning Method C.

CLEANING METHODS TABLE

Method A:	Clean with a mild detergent and a clean soft cotton cloth or swab. Do not use detergent with any type of Emollients.
Method B:	<p>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 insert in the ring.</p> <ul style="list-style-type: none"> • Do not use the Volk LensPen® or Volk's POLC on surfaces that contact the eye.
Method C:	<ol style="list-style-type: none"> 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 of housing with a soft-bristle brush and wipe lens portion with a soft cloth until all traces of cleaner and soil are removed. 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 devices to a freshly prepared enzymatic solution (per step 1 above) and sonicate for 20 minutes. 6. After sonication, thoroughly rinse devices 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

1. Clean the lens first following Cleaning Method A (See CLEANING METHODS TABLE)
2. Disinfect by selecting one of the solution types from the Table below:

Product Type	*Cidex OPA	*Glutaraldehyde	**Sodium Hypochlorite	Perasafe	Bode Mikorbac Tissues	Alkacide / Alkazyme	CaviWipes
BIO Lenses (Black & All Colors)	✓	✓	✓	✓	✓		✓
BIO Lenses (ACS)	✓	✓	✓	✓	✓		✓
Classic Series Lenses (Black & All Colors)	✓	✓	✓	✓	✓		✓
Super & Digital Series Lenses (Black & All Colors)	✓	✓	✓	✓	✓		✓
3-Mirror Lenses (Classic) 4-Mirror Mini, & SLT	✓	✓	✓		✓	✓	✓
G-Series Mirrored Lenses	✓	✓	✓		✓		✓
Surgical Gonio (ACS)	✓	✓	✓		✓		✓
Contact Lenses	✓	✓	✓		✓		✓
Vitrectomy Lenses (Standard)	✓	✓	✓		✓		✓
Vitrectomy Lenses (ACS)	✓	✓	✓		✓		✓
Vitrectomy & Infusion Handles	✓	✓	✓		✓		✓
Sterilization Case	✓	✓	✓		✓		✓
Lens Accessories	✓	✓	✓		✓		✓
✓ = OK to Use							

* Immersion solutions such as: CIDEX OPA & GLUTERALDEHYDE: See Manufacturer's Instructions

- Position the lens on its side, and then immerse the entire lens in the selected solution for the listed soak time.
- Remove the lens from the solution, thoroughly rinse with room temperature water, and dry with a soft lint free cotton cloth.

** Sodium Hypochlorite (NaClO, household bleach) solutions:

Concentration	Solution Type	Minimum Soak Time	Maximum Soak Time
1 Part 5.25% NaClO : 9 Parts Water Ambient/ Room Temp 62° – 72°F (16.67° – 22.22°C)	0.525% (5000ppm) Sodium Hypochlorite Solution (NaClO) (household bleach)	10 Minutes	26 Minutes

PRECAUTIONS:

- To avoid surface damage to contact lenses, never clean the contact elements with alcohol, peroxide or acetone.
- Do not use the Volk LensPen® or Volk's POLC on surfaces that contact the eye.
- Colored rings may discolor when exposed to Sodium Hypochlorite or Glutaraldehyde. To avoid discoloration please follow only the cleaning procedures indicated for these products.
- Extended exposure and/or exposure to higher concentrations of Sodium Hypochlorite will result in accelerated degradation of the product.
- Contact Volk regarding lens compatibility with other disinfection methods.

DISINFECTION

<u>Pictor Digital Imaging Device</u>	
Retina Module Anterior Module	<ul style="list-style-type: none"> • Disinfect housing with soft cloth moistened with alcohol. • If acetone based products are used, wait for cleaning agent to dissolve before starting up the device or connecting cradle to the mains. <p>NOTE: Avoid touching system connectors in the handset and cradle.</p>
Eyecup	<ul style="list-style-type: none"> • Disinfect silicon support with soft cloth moistened with alcohol (70% ethyl alcohol), or • Soak silicon support in glutaraldehyde based solution.
Dermatoscope Glass	<ul style="list-style-type: none"> • Disinfect glass with soft cloth moistened with alcohol (70% ethyl alcohol), or • Remove glass and soak it in glutaraldehyde based solution.

NOTE: Pictor is not intended to be sterilized.

STERILIZATION

1. Cleaning should be performed regularly to remove bodily fluids, dust and soil on the surface of the lens.
2. Before sterilization, Volk recommends that it first be processed using cleaning Method C
 - a. See CLEANING METHODS TABLE
3. Sterilize by selecting one of the methods from the Table below:

Product Type	ETO	Steam Sterilization	*Sterrad	TSO3
BIO Lenses (Black)	✓		✓	✓
BIO Lenses (Colors)	✓		✓	
BIO Lenses (ACS)	✓	✓	✓	✓
Classic Lenses (Black)	✓		✓	✓
Classic Lenses (Colors)	✓		✓	
Super & Digital Series Lenses (Black)	✓		✓	✓
Super & Digital Series Lenses (Colors)	✓		✓	
3-Mirror Lenses (Classic), 4-Mirror Mini, & SLT	✓			
G-Series Mirrored Lenses	✓			
Surgical Gonio (ACS)	✓	✓		
Contact Lenses	✓			✓
Vitrectomy Lenses (Standard)	✓			✓
Vitrectomy Lenses (ACS)	✓	✓		✓
Vitrectomy Handles	✓	✓	✓	✓
Infusion Handles	✓	✓		✓
ROLS® Handles	✓	✓		
OptiFlex® Lens Positioning Unit (LPU)		✓		
OptiFlex® Surgical Lenses		✓		
MERLIN® Rotational Assembly (RA)		✓		
MERLIN® Lens Positioning Unit (LPU)		✓		
MERLIN® Surgical Lenses		✓		
ROLS® ∞ Handles		✓		
Lens Accessories	✓			✓
Sterilization Case	✓	✓		✓
✓ = OK to Use				

NOTE: The use of a Volk Sterilization tray is recommended to avoid product loss or damage.

Ethylene Oxide: Follow hospital procedures with aeration up to, but not exceeding 150°F / 66°C for non-contact lenses or 130°F / 55°C for contact lenses

Steam Sterilization: Prevacuum, 132°C minimum, 4 minutes (lenses), 5 minutes OptiFlex® & MERLIN® (Testing was performed using a Prevacuum cycle only)

Sterrad: *Use in the 100S Short Cycle or use in 100NX Express (available outside the US only)
Rings may discolor after multiple uses.

PRECAUTIONS:

- To avoid lens surface damage, never clean the contact element with alcohol, peroxide or acetone.
- Do not use the Volk Lens Pen® or Volk's POLC on surfaces that contact the eye.
- Disassemble 2-piece lenses (e.g. Mini Quad ACS, Central Retinal ACS, etc.) prior to cleaning and sterilization.
- Contact Volk regarding lens compatibility with other sterilization methods.