FOR VISION CORRECTION USE

INDICATIONS (USES):

Biomedics Toric contact lenses with the ultraviolet blocker are indicated for the correction of visual acuity in persons with non-aphakic, non-diseased eyes which manifest myopia, hyperopia, or astigmatism in powers from –10.00 to +10.00 diopters and astigmatic corrections from -0.25 to -10.00 diopters.

Biomedics Toric lenses may be prescribed either for daily wear or for extended wear from one to seven days between removals. The eye-care practitioner may prescribe Biomedics Toric lenses for single-use disposable wear or for scheduled replacement wear, with cleaning, disinfection, and scheduled replacement (see “Wearing Schedules”). When prescribed for scheduled replacement wear, Biomedics Toric lenses may be disinfected only with a chemical (not heat) disinfection system.

DESCRIPTION:

All UV-blocking Biomedics Toric contact lenses are available as hemispherical flexible shells of the following dimensions:

- Diameter: 14.5 mm
- Center Thickness: 0.0745 mm to 0.178 mm, depending upon power
- Inside Spherical Radius: 8.66 mm to 9.89 mm
- Spherical Powers: +10.00 to –10.00
- Cylinder Powers: –0.250 to –10.00
- Curve: 0° to 180° in 10° increments

The lens material, Biomedics, is a hydrophilic polymer of 2-hydroxyethyl methacrylate and methacrylic acid cross-linked with ethylene glycol dimethacrylate (45.0%) and water (55.0%).

The physical parameters of the lenses are as follows:

<table>
<thead>
<tr>
<th>Biomedics Toric with visibility tint and UV-blocker</th>
</tr>
</thead>
<tbody>
<tr>
<td>Refractive Index:</td>
</tr>
<tr>
<td>Surface Characteristics:</td>
</tr>
<tr>
<td>Water Content:</td>
</tr>
<tr>
<td>Oxygen permeability:</td>
</tr>
<tr>
<td>Light Transmittance:</td>
</tr>
</tbody>
</table>

Biomedics Toric contact lenses, tinted for visibility purposes, are tinted from edge to edge using one of the following color additives: 7, 16 dichloro-6, 15-dihalo-5, 9, 14, 18-anthrachinolone (Val Blue 6 Dye), which is added in monomer prior to polymerization.

Biomedics Toric visibility tinted contact lenses are available with a proprietary benzophenone UV-absorbing monomer. UV-blocking Biomedics Toric contact lenses help protect against transmission of harmful ultraviolet radiation to the cornea and into the eye. The transmittance of ultraviolet radiation is measured at two representative lens powers, –2.50 diopters (center thickness of 0.07 mm) and –8.00 diopters (center thickness of 0.06 mm), through the central 3- to 5-mm portions of the lenses.1,2 (Please refer to accompanying transmittance curve graph).

WARNING: UV-absorbing contact lenses are NOT substitutes for protective UV-absorbing eyewear, such as UV-absorbing goggles or sunglasses, because they do not completely cover the eye and surrounding area. Patients should continue to use UV-absorbing eyewear as directed.

Biomedics Toric contact lenses may be prescribed for daily wear or for extended wear in the Biomedics Toric Disposable Wear Program or Scheduled Replacement Program.

In the Disposable Wear Program, patients should wear Biomedics Toric lenses as prescribed by their eye-care practitioners from one to seven days/six nights. Each time the patient must remove his or her lenses before the prescribed replacement time period has elapsed, the patient must clean and disinfect the lenses before replacing them on the eyes.

In the Scheduled Replacement Program, patients should wear Biomedics Toric lenses as prescribed by their eye-care practitioners from one to seven days/six nights. If they wear their lenses only on a daily wearing schedule, or every two weeks, if they wear their lenses only on a daily wearing schedule. However, the eye-care practitioner is encouraged to determine a lens replacement schedule based upon the response of the patient.

CONTRAINDICATIONS (REASONS NOT TO USE):

Patients SHOULD NOT USE Biomedics Toric contact lenses when any of the following conditions exist:

- Acute and subacute inflammation or infection in the anterior chamber of the eye.
- Any active eye disease, injury, or abnormality affecting the cornea, conjunctiva, or eyelids.
- Insufficiency of lachrymal secretion (dry eyes).
- Corneal hypoxemia (reduced corneal sensitivity).
- Any systemic disease which may affect the eye or which may be exaggerated by wearing contact lenses.
- Allergic reactions of ocular surfaces or adnexa which may be induced or exaggerated by wearing contact lenses or by using contact lens solutions.
- Allergy to any ingredient, such as mercury or thimerosal, in a solution which must be used for the care of the eye.
- Use of a medication that is contraindicated, including eye medications.
- Patient history (i.) of recurring eye or eyelid infections, including styes; (ii.) of intolerance or abnormal ocular response to contact lens wear.
- History of patient non-compliance with contact lens care and disinfection regimens, wearing restrictions, wearing schedule, or follow-up visits.
- Patient inability or unwillingness, because of age, infirmity, or other mental or physical conditions, or because of an adverse working or living environment, to understand or comply with any warnings, precautions, restrictions, or directions. Additionally, patients who require only vision correction and (i.) who would not, or could not, adhere to a recommended care system for lenses; or (ii.) who are unable to place and remove lenses should not be provided with them.

WARNINGS:

Serious eye injury and loss of vision may result from problems associated with wearing contact lenses and with using contact lens-care products. Therefore, after a thorough eye examination, including appropriate medical background, the prescribing practitioner must fully apprise patients of all the risks associated with contact lens wear. To minimize these risks, the practitioner must emphasize to the patient the need for strict compliance with the care regimen (including cleaning of the lens case, if the practitioner prescribes scheduled lens replacement); wearing restrictions; wearing schedules; and follow-up visit schedule. (See the considerations listed under “Contraindications” and “Precautions.”)
Since eye injury can develop rapidly, it is most important that eye-care practitioners instruct their patients as to the possible signs or symptoms of problems associated with contact lens wear. Further, eye-care practitioners should instruct their patients to remove their lenses immediately and be examined by the prescribing practitioner or by a corneal specialist in the event they experience any such signs or symptoms (including those listed below under “Adverse Effects”). (Practitioners examining patients presenting such symptoms should see below in “Practitioner Fitting Guides and Patient Information Booklets.”)

Research has shown that the risk of ulcerative keratitis is greater among users of extended-wear contact lenses than it is among users of daily-wear contact lenses. The risk among extended-wear lens-wearing patients increases with the number of consecutive days that the patient wears the lenses between removals, beginning with the first overnight use. Some research suggests that these complications are related by one or more of the following: a weakening of the cornea’s resistance to infections, particularly during a closed-eye condition, as a result of hypoxia; an eye environment which is somewhat more conducive to the growth of bacteria and other microorganisms, particularly when the patient has not adhered to a regular and periodic lens removal and disinfection disposal schedule; improper lens disinfection or cleaning by the patient; contamination of lens-care products; accumulation of lens deposits; damage to the lenses; improper fitting; length of wearing time; and the presence of ocular debris on environmental contamination. Additionally, smoking increases the risk of ulcerative keratitis in contact lens-wearing patients.

While the great majority of patients successfully wear contact lenses, extended wear of lenses is also reported to be associated with a higher incidence and degree of epithelial microcysts and infiltrates and endothelial polymegathism, which require consideration of discontinuation or restriction of extended wear. The epithelial conditions are reversible upon discontinuation of lens wear.

The reversibility of endothelial effects associated with contact lens wear has not yet been established. Consequently, eye-care practitioners’ views of extended wearing schedules vary; some practitioners do not prescribe extended-wear lens-wearing schedules, while others prescribe flexible wearing schedules, which vary from occasional contact lens wear to, in certain patients, extended wearing periods ranging from one to seven days/night with specified intervals of no lens wear. Ultimately, the prescribing practitioner or care provider must determine the appropriate wearing time of soft contact lenses used for extended wear, as well as the appropriate replacement schedule. Additionally, the practitioner should determine the patient’s lens-care regimen (if appropriate) and schedule for follow-ups.

PRECAUTIONS:

• In prescribing contact lenses, eye-care practitioners should observe these precautions carefully. It is also strongly recommended that practitioners review with their patients the appropriate Patient Information Booklet (either for the Disposable Wear Program or for the Scheduled Replacement Program), available from Ocular Sciences, A CooperVision Company, prior to dispensing the lenses and ensure that patients understand its contents.

• In the Disposable Wear Program, BIOMEDICS Toric contact lenses should be discarded upon removal from the patient’s eyes. Therefore, prescribing practitioners should instruct their patients always to have a pair of replacement lenses available. If the patient has a problem with the patient’s lenses, the practitioner should determine the appropriate wearing time of soft contact lenses used for extended wear, as well as the appropriate replacement schedule. Additionally, the practitioner should determine the patient’s lens-care regimen (if appropriate) and schedule for follow-ups.

• In the Disposable Wear Program, in the event a patient must remove a lens from the eye because dust, a foreign body, or some other contaminant gets on the lens, or because the lens becomes dehydrated, the patient should remove that lens, discard it, and replace it with a fresh, new lens. If replacement lenses are not available, the patient should refer to the emergency lens care directions.

• In the Disposable Replacement Program, in the event a patient must remove a lens from the eye because dust, a foreign body, or some other contaminant gets on the lens, or because the lens becomes dehydrated, the patient should remove that lens, discard it, and disinfet it before replacing it on the eye. If a lens becomes dehydrated, the patient should follow the lens care instructions for “Care for a Dehydrated Lens.”

• Contact lens wear may not be suitable for those in certain occupations, or, in other instances, such persons may require protective equipment.

• In order to minimize the likelihood of lens contamination or of physical trauma to the cornea, lens-wearing patients should avoid environmental fumes, smoke, dust, vapors, and windy conditions.

• In the Scheduled Replacement Program, or in the event of emergency lens care in the Disposable Wear Program, Ocular Sciences, A CooperVision Company, recommends the use of sterile lens-care solutions. If a particular patient is allergic to preservatives, that patient should use sterile non-preserved solutions and should discard such solutions after the time specified in their label directions.

• Eye injury from irritation or infection and damage to contact lenses may result from lens contamination. Patients should take care to prevent cosmetics, lotions, soaps, creams, hair sprays, or deodorants from coming into contact with their lenses.

• Tweezers or other tools should not be used by patients to remove lenses from lens containers; rather, the contents of a lens container should be poured into the hand.

• Practitioners should instruct their patients as to the proper manner to promptly remove their lenses, and patients should be able to demonstrate the ability to do so.

• Fluorescein should not be used while BIOMEDICS Toric lenses are on the patient’s eye. The lenses absorb this dye and become discolored. In the event fluorescein comes in contact with the lenses while they are on the patient’s eye, the eyes should be flushed thoroughly with large volumes of saline solution recommended for in-eye use, and new lenses should be inserted only after at least one hour.

• A lens must move freely on the eye for a proper fit. For further information, see the BIOMEDICS Toric Practitioner Fitting Guides.

• Some patients will not be able to tolerate extended wear even if they are able to tolerate the same or another lens on a daily-wear basis. Eye-care practitioners should carefully evaluate their patients for extended wear prior to prescribing and dispensing and should conduct early and frequent follow-up examinations to determine ocular response to extended wear.

• In the Scheduled Replacement Program, or in the event of emergency lens care in the Disposable Wear Program, or in the event of emergency lens care in the Disposable Wear Program, practitioners must review with their patients with appropriate instructions for wearing, removing, and replacing their lenses, and patients must fully understand all handling and lens-care instructions. In addition, it is very important for practitioners to provide their patients with the appropriate Patient Information Booklet (either for the Disposable Wear Program or for the Scheduled Replacement Program).

• Practitioners should caution their patients wearing BIOMEDICS Toric lenses on a daily-wear schedule to remove their lenses before sleeping.

ADVERSE EFFECTS:

Patients should be informed that the following problems may occur when they wear contact lenses:

• The eye may be painul or may burn, sting, or itch.

• There may be less comfort than when the lens was first placed on eye.

• There may be a feeling of something in the eye (foreign body, scratch area, contact area).

• There may be the potential for some temporary impairment due to peripheral irritates, peripheral corneal ulcers, and corneal erosion. There may be the potential for other physiological observations such as corneal neovascularization, corneal staining, infection, tarsal abnormalities, irritis, and conjunctivitis, some of which are clinically acceptable in low amounts.

• There may be excessive watering (tearing), unusual eye secretions, or redness of the eye.

• Poor visual acuity; rainbow or halos around objects; photophobia; or a feeling of dryness (dry eyes) may also occur if the lenses are worn continuously or for too long a time.

If a patient reports any problems, including, but not limited to, the foregoing, he or she should be instructed to remove his or her lenses immediately. Then:

• If the discomfort or problem stops, the patient should look closely at the lens.

• If the lens has dirt, an eyelash, or other foreign body on it, the patient should be instructed as follows:

  ➢ If the patient is in the Disposable Wear Program, he or she should dispose of the lens and replace it with a fresh, new lens.

  ➢ If the patient is in the Scheduled Replacement Program, and if the lens appears unamaged, he or she may clean, disinfect, and reinsert the lens.

• If the lens is or appears in any way damaged, the patient SHOULD NOT put the lens back on the eye. The patient should discard the lens and insert a fresh, new lens on the eye.

• If the patient’s problem continues, the patient SHOULD NOT put the lens back on the eye: but rather, he or she should immediately contact his or her eye-care practitioner or a physician, who must determine the need for examination, treatment, or referral without delay.

• The patient should be advised that when any of the aforementioned symptoms occur, a serious condition such as infection, corneal ulcer, corneal neovascularization, or iritis may be present and may progress rapidly. The patient should seek immediate professional identification of the problem and prompt treatment to avoid serious eye damage. Less serious reactions, such as abrasions, epithelial staining, and bacterial conjunctivitis, should be treated appropriately to avoid complications.

PRACTITIONER FITTING GUIDES AND PATIENT INFORMATION BOOKLETS:

The BIOMEDICS Toric Practitioner Fitting Guide provides detailed fitting information for BIOMEDICS Toric contact lenses. Conventional methods of fitting soft contact lenses apply to these lenses. Prescribing eye-care practitioners must supply their patients with appropriate instructions for wearing, removing, and replacing their lenses, and patients must fully understand all handling and lens-care instructions. In addition, it is very important for practitioners to provide their patients with the appropriate Patient Information Booklet (either for the Disposable Wear Program or for the Scheduled Replacement Program).

Purchasing guidelines and patient information booklets are available from:

CooperVision
711 North Road
Scottsville, NY 14546
(800) 341-2020
www.coopervision.com

WEARING SCHEDULES:

It is recommended that a contact lens-wearing patient see his or her eye-care practitioner each year or, if so directed, more frequently. The practitioner should determine the appropriate wearing schedule and replacement schedule, which he or she should provide to the patient.

Daily Wear: There may be a tendency for the daily-wear patient to overwear the lenses initially. Often, practitioners should stress to these patients the importance of adhering to a proper daily initial wearing schedule. The practitioner should determine the appropriate wearing schedule and replacement schedule, which he or she should provide to the patient.
Extended Wear (greater than 24 hours or while asleep): The prescribing practitioner should determine the appropriate wearing schedule and replacement schedule for each individual patient based upon a full examination and patient history, as well as the practitioner’s experience and professional judgment. CooperVision, Inc. recommends beginning extended-wear patients with the recommended initial daily-wear schedule, followed by a period of daily wear, and then the gradual introduction of extended wear, one night at a time, unless individual considerations indicate otherwise. The practitioner should examine the patient in the early stages of extended wear to determine corneal response. Patients should remove their lenses and clean and disinfect them or replace them with fresh, new lenses as directed by the eye-care practitioner. Once removed, a lens should remain out of the eye for a period of rest overnight or longer, as determined by the prescribing eye-care practitioner.

**LENS CARE DIRECTIONS:**

Eye-care practitioners should provide their patients with appropriate and adequate instructions and warnings for lens care and handling, and practitioners should recommend appropriate and adequate procedures and products for each individual patient in accordance with the particular lens-wearing schedule and care system selected by the practitioner, the specific instructions for such products, and the particular characteristics of the patient.

For patients in the Disposable Wear Program: Eye-care practitioners should review with patients that no cleaning or disinfection is needed with disposable lenses. Patients should always dispose of lenses when they are removed and have replacement lenses or spectacles available.

For complete information concerning emergency lens care, refer to the Patient Information Booklet for patients in the Disposable Wear Program. Emergency lens care does not apply to lenses worn on a daily-wear basis.

For patients in the Scheduled Replacement Program: For complete information concerning the care, cleaning, and disinfecting of BIOMEDICS Toric contact lenses, patients should refer to the Patient Information Booklet for the Scheduled Replacement Program.

**CARE FOR A DEHYDRATED LENS:**

For patients in the Disposable Wear Program: If a soft contact lens is off the eye and is exposed to air for a significant period of time, it may become dry and brittle. If this should occur, patients should discard the lens and use a fresh, new one; dehydrated lenses should not be re-hydrated. It is important that the patient always have a pair of replacement lenses available.

For patients in the Scheduled Replacement Program: If a soft contact lens is off the eye and is exposed to air for a significant period of time, it may become dry and brittle and need to be re-hydrated. If the lens is adhering to a surface such as a counter top, apply sterile saline before handling the lens.

Eye-care practitioners should review the following information on re-hydrating the lens with the patient:

- Handle the lens carefully.
- Place the lens in a storage case and soak the lens in a recommended rinsing and storing solution for at least an hour until it returns to a soft state.
- Clean and disinfect and re-hydrate lens using a recommended lens-care system.
- If the lens does not become soft after soaking, the lens should not be used until it is examined by the eye-care practitioner.

**CARE FOR A STICKING LENS:**

If the lens sticks (or stops moving), the patient should be instructed to apply several drops of the recommended lubricating or rewetting solution directly to the eye and wait until the lens begins to move freely on the eye before attempting to remove it. If non-movement of the lens continues after several minutes, the patient should consult with his or her eye-care practitioner immediately.

**PRACTITIONER FITTING SETS:**

All lenses which have been opened must be discarded after each fitting.

**HOW SUPPLIED:**

Each BIOMEDICS Toric contact lens is supplied sterile in a container with a phosphate buffered saline solution containing 0.005% poloxamer. Several containers are packaged in a multi-pack arrangement, each of which is marked with the manufacturing lot number of the lens, the dioptric power, the base curve or series, the diameter, the axis, the cylinder and the expiration date.

**REPORTING OF ADVERSE REACTIONS:**

All serious adverse experiences and adverse reactions observed in patients wearing BIOMEDICS Toric contact lenses or experienced with the lenses should be reported to

CooperVision
Attn: Product Services
711 North Road
Scottsville, NY 14546 USA
Toll-free tel.: (800) 341-2020, Ext 3602
Facsimile: (585) 889-5688