

BioColors Fitting Guide

Utilization of a trial fitting set is required to determine fit, power, and color match prior to placing an initial order for BioColors Contact Lenses. Please contact Customer Service at 1-866-300-6257 to inquire about our BioColors Fitting Set Programs.

Diameter Selection

Use a 14.5 diameter for average-sized corneas.
The standard Iris diameter is 12.25mm with a 4.2mm clear pupil.
Available diameter range is from 13.5mm to 22 mm.

Base Curve Selection

The chart below can be used as a guide for base curve selection based on the lens diameter and average K reading. Available base curves are 7.50 to 11.00 in 0.1 increments

Power Determination

Use standard vertex adjustment to convert the spectacle Rx, or call consultation and let us design the lens it for you.
i.e. -4.00 sphere = -3.75 net power, -1.00 -3.75 x 180 = -1.00 -3.50 x 180
Available parameters +/- 20.00, up-to 9.00 diopters of cyl. In 1 degree increments.

Toric Diagnostic Lens

Every BioColors fitting set comes with an Alden Double Slab Off trial in -3.00 sphere for toric diagnostic evaluation.

Adjustments

When evaluating the fit of the lens, please provide our consultants with the following data:
Fit/movement (base curve evaluation)
Lens centration (diameter evaluation)
Orientation, if toric.
Over-refraction

Prosthetic Lens Underprint Selection

Most prosthetic contact lens fits require an underprint to either hide scarring (such as a white cornea) to block light as in the case of a torn iris. The standard size of the diagnostic lens is a 12.25 iris diameter with a 4.2 clear pupil.

The Orion Prosthetic allows the practitioner to customize the iris lens color and design by allowing any of our colors to be used in any combination desired to produce the most cosmetic match possible. This new industry standard of color accuracy is achieved by layering trial lenses over one another to produce the desired resultant color. Thus, by “piggybacking” lenses from the fitting set, we allow the practitioner to manually test the colors in various illuminations to best match the desired effect..

Initial “Piggy Backing” should be done on an Orion “Color Diagnostic Tool” available from Orion Vision. If you do not have a “Color Diagnostic Tool,” the back of a white contact lens case may be used to layer underprints and iris color combinations prior to insertion into the eye for a preliminary “hand held” color evaluation. Once the best color combination is made the lenses can be placed on the eye if desired. Please note that piggybacked lenses will not center properly and are used for color comparison purposes only. In some cases where the iris color is so unique that various combinations still produce unacceptable cosmesis, we suggest ordering a pair of lenses for better binocular color balance.

If an occluder is required for light sensitivity this must be noted at the time of ordering. The underprints in the BioColors fitting set are for color selection purposes and do not provide sufficient light blocking for total occlusion. Total occlusion must be specified during ordering.

If addressing an opaque or white cornea, select underprint “U1” first in that it is most commonly used; even on light colored eyes. “U4” is the second most common. U1 will bring out more intense color, and U4 will cause a more subtle hue.

Iris Color Selection

Iris color selection is the same for prosthetic or custom cosmetic colors used for cosmetic purposes only. Just as with an underprint most commonly used for the prosthetics, iris colors can be layered to create custom colors and designs. The standard “V” Series Fitting set is best suited for prosthetics and light colored eyes. The “X” series is indicated for those wanting a more dramatic color change, and for fitting darker eye colors with cosmetic colors. The “X” Series will change a brown eye to Blue, Green or any color in the “X” Series fitting set with **more intensity** than the V series.

Iris colors may be “Piggy Backed” on an Orion “Color Diagnostic Tool” for virtually unlimited color combinations including Star Burst patterns and Limbal Rings. NOTE that special effects can be created with custom color layering. Example: a Star Burst pattern layered under an iris pattern with result in a very subtle pupillary frill...A Limbal Ring placed under an iris pattern will result in a more subtle peripheral corneo-limbal ring.

Example: A Caribbean Blue layered or “Piggy Backed” on top of a Baby Blue will appear different than a Baby Blue on top of a Caribbean Blue. This phenomenon is true of all color combinations. The potential color combinations are incredible with color layering, and thus make Orion lenses a new standard in the contact lens industry never before available from any manufacturer, and not available from anyone else in the world today.

For High Fashion Colors or to change a brown eye to a different color with the most dramatic result, the "X" Series was created. If your practice specializes in cosmetic colored contacts, the 'X' series fitting set is needed.

If you have already obtained a standard BioColors fitting set, a 12 lens "X" Series set may be obtained for only \$100.00

Silicone Hydrogel Colored Lenses

Orion Vision is proud to offer the Definitive Silicone Hydrogel in **opaque colors**. At this time only an iris pattern is available. However, both the "V" and "X" series colors are available so virtually any eye color; dark or light can be fit with custom color contact lenses.

With BioColors, there are four basic patterns to provide occlusion, iris patterns, and cosmetic effects:

Under Print	Iris pattern	Star Burst
Limbal Ring		

Pupil Sizes

Available Black Prosthetic pupils: 3.0, 3.5, 4.0, 4.5, 5.0, 5.5 & 6.0mm

Available clear pupils: 2.8, 3.3, 4.2, 5.0, 5.5, 6.0 and 6.3mm

A 4.2mm clear pupil is standard in the diagnostic fitting set.

Consultation

It is recommended that consultation be utilized when placing all new orders.

Consultation may be reached at **1-866-300-6257**

Conditions such as aniridia and strabismus CAN be addressed with BioColors Lenses.

Custom Iris Diameters

Custom Iris diameters are now available for micro-cornea and larger than standard irises.

In addition to the standard 12.25mm iris, 10.50, 12.75 & 13.20mm are now available.

Photos for Color Matching

The BioColors fitting set is the best way to determine the best color match on a contact lens.

Photos of the fitting set lenses on the eye taken next to the eye being replicated may be submitted to consultation to fine tune color combination.

Clear photos taken in ambient light both up close and at 2 feet provide the best detail.

Photos may be taken with a digital camera or smart phone. Please do not use any filters or special features when taking photos. |

Photos may be sent to tint@orionvisions.com

Available Parameters

Materials – Polymacon 38% and Methafilcon 55%.

Definitive Silicone Hydrogel is available for single cosmetic colors only.

Parameters: **Sphere** - +/- 20.00, **Cylinder**: up to 9.00 diopters, **Diameter** -13.5mm to 22mm.

Placing an Order

Prosthetic and Custom Color Order forms are available on our web site at [HYPERLINK www.AVTLENS.com](http://www.AVTLENS.com)

Orders may be placed through customer service or consultation.

Please provide account number, patients full name, base curve, power, diameter, color, clear or occluded pupil, pupil aperture, under print color, and iris patterns. Also, please specify how many lenses are being ordered in total.

Toll Free: 1-800-393-5374 Local: 1-303-384-1111 Fax: 1-303-384-1124

www.AVTLENS.com