X·CEL Contacts **Solution**

BIFOCAL CONTACT LENS

Problem Solving Grid

PROBLEM	CAUSE	RECOMMENDATION
Lens Riding high	Not enough prism Base Curve flat	Increase prism Steepen Base Curve
Lens Riding low	Too much prism Lower lid below limbus	Decrease prism Choose Simultaneous Vision Design
Excessive Movement	Base Curve too flat Not enough prism	Steepen Base Curve Increase prism
Restricted Movement	Base Curve too steep Too much prism	Flatten Base Curve Decrease prism
Poor Distance Vision	Lens riding high Lens riding low Segment too high	Increase prism Decrease prism Lower Seg Line
Poor Near Vision	Lens riding low Segment too low	Decrease prism Raise Seg Line
Segment Line too low	Lens riding low Lens centered, Seg Line low	Decrease prism Raise Seg Line
Segment Line too high	Lens riding high Lens centered, Seg Line high	Increase prism Lower Seg Line
Excessive Nasal Rotation (more than 15 Degrees)	Lid Configuration Oblique Corneal Cylinder	OD: Use prism axis 110 degrees OS: Use prism axis 70 degrees
Excessive Temporal Rotation (more than 15 Degrees)	Lid Configuration Oblique Corneal Cylinder	OD: Use prism axis 70 degrees OS: Use prism axis 110 degrees

Presbyopic Success Fitting System

STEP 1 — Select Base Curve

Choose Base Curve from fitting Nomogram based on Corneal Measurements.

CORNEAL TORICITY	On K - 0.50D	0.75D - 1.25D	1.50D - 2.00D	2.25D - 2.75D
BASE CURVE	On K	0.25D Steeper than K	0.50D Steeper than K	0.75D Steeper than K

STEP 2 — Determine Distance Power

From Base Curve selection and Spectacle Rx, utilize the optical concepts of SAM (Steep add Minus) and FAP (Flat add Plus) to achieve distance power.

EXAMPLE: K's & Ref: 43.00 x 44.50 / -3.00 - 150 x 180 - Use a 43.50 Base Curve (0.50 steeper than Flat k) - -3.50 Distance Power (SAM)

STEP 3 — Determine Near Power

From Spectacle Rx, choose add power directly from refraction results.

STEP 4 — Choose Diameter

Choose Lens Diameter based on HVID measurement minus 2.5.
Example: 11.8 HVID - 2.5MM = 9.3 Diameter

STEP 5 — Choose Segment Position

Based on Lower Lid Position, order segment position either 1.0mm below geometric center (BGC), or 1.5mm BGC.

EXAMPLE: Lower Lid At Limbus — 1.0mm BGC; Lower Lid Above Limbus — 1.5mm BGC

STEP 6 — Choose Prism & Material

Select Prism Ballast and Material Type.

Note:
1. Always begin with Medium Prism.
2. Available in FluoroPerm® 30, 60, Paragon HDS® and HDS® 100 materials from Paragon Vision Sciences.

Fluorescein Pattern Interpretation

The posterior surface relationship of The **X·Cel Solution®** Bifocal is important to the lens fit, lens movement, rotation and ultimately patient comfort. Therefore, the fluorescein pattern interpretation is critical to patient success.

The **X·Cel Solution®** Bifocal should be evaluated in all positions of gaze to determine the lens-to-cornea fitting relationship of the base curve, optical zone and overall diameter.

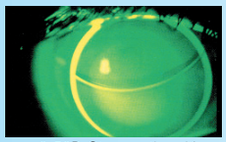
At Limbus

Above Limbus

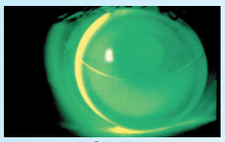
Below Limbus

The optimum fluorescein pattern is one where there is alignment achieved along the flattest corneal meridian, accompanied by unobstructed movement along the steepest meridian.

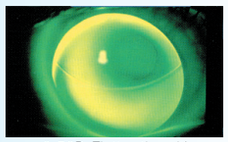
Fluorescein Patterns



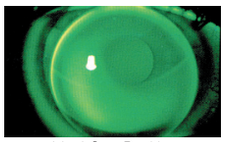
0.50D Steeper than K



On K



0.50D Flatter than K



Ideal Seg Position

Manufactured exclusively in FluoroPerm® 30, 60, Paragon HDS® and HDS® 100 materials from Paragon Vision Sciences to ensure consistency and reproducibility.

Unique one piece "no jump" design.

Comfortable thin lens design for improved patient adaptability.

Simplified parameter specification for easy ordering and lens duplication.

Knowledgeable consulting staff for product support.

Can easily be fit empirically (K's & RX) or using a diagnostic set.

Competitive pricing and warranties.

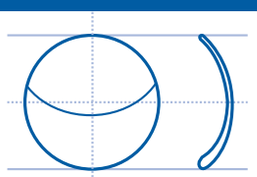
Shipped within 48 hours.

Lens Parameter Availability

The X•Cel Solution® Bifocal is a lathe cut RGP design manufactured in FluoroPerm® 30, 60, Paragon HDS® and HDS® 100 materials from Paragon Vision Sciences.

Diameter:	8.50mm - 10.00mm
Base Curve:	7.14mm - 8.44mm (47.25D - 40.00D)
Distance Power:	+6.00D to -10.00D
Add Power:	+0.75D to +3.50D
Prism:	minimum, medium, maximum
Prism Axis:	90° +/-20°
Center Thickness:	0.25mm - 0.75mm
Segment Position:	on GC, 0.5mm, 1.0mm above geometric center 0.5mm, 1.0mm, 1.5mm, 2.0mm below geometric center
Truncation:	upon request only

Schematic Drawing



Diagnostic Set Parameters

The X•Cel Solution® Bifocal can be fit employing either diagnostic lenses or based on The X•Cel Solution® Presbyopic Success Fitting System.

Base Curves:	7.20mm to 8.30mm in 0.10mm steps
Distance Power:	+2.00D and -2.00D
Add:	+2.00D
Diameter:	9.2mm in Base Curves thru 7.50mm 9.6mm in Base Curves from 7.60mm to 8.30mm
Optic Zone:	1.5mm smaller than OAD
Prism:	medium
Seg Height:	1.0mm below geometric center (BGC)

X•Cel Contacts Solution BIFOCAL CONTACT LENS

X•Cel Contacts Solution BIFOCAL CONTACT LENS

FITTING GUIDE

California
1-800-342-2724

Florida
1-800-432-3838

Georgia
1-800-241-9312

Maryland
1-800-221-9235

Minnesota
1-800-926-6822

Pennsylvania
1-800-245-0797

Washington
1-800-426-6241

INNOVATORS IN RGP DESIGN