UltraHealth FC



Fitting Guide

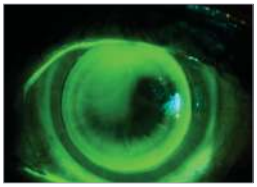
SynergEyes

Initial Lens Order

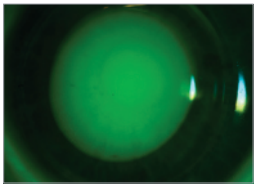
Step 1: GP Vault Determination

The final lens selected should provide 50µ clearance above the apex of the cornea. Begin with a 255 vault lens with an 8.1 medium skirt using fluorescein. Check for bubbles under the lens with the blue pen light. Reinsert if you see bubbles.

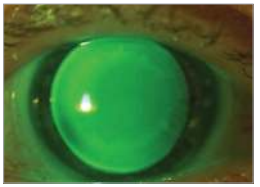
- If you observe pooling (lens is clearing the cornea), decrease the vault in 100µ increments until bearing is observed. Once you observe bearing, add 50µ for final vault.
- If you observe apical touch (lens is touching the cornea), increase vault by 100µ until pooling is observed providing the recommended vault.



Vault is too flat showing fluorescein bearing



Vault is too steep showing fluorescein pooling

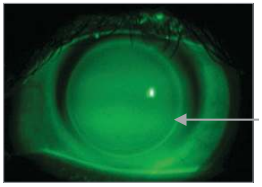


Vault is showing optimal fluorescein pattern

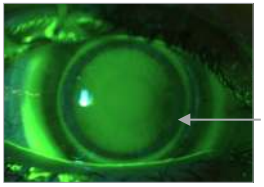
Step 2: Skirt Determination

Once the correct vault is determined, examine the skirt radius fluorescein pattern, and observe movement and comfort of the diagnostic lens. Examine the corneal clearance of the inner landing zone (ILZ) 3-4 minutes after insertion. A thin layer of fluorescein indicating light touch, with a little bearing indicates an ideal skirt fit.

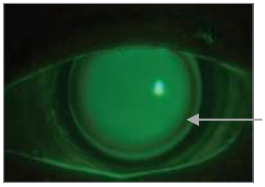
- If there is no defined inner landing zone, this indicates that the skirt may be too steep. Order a lens with an 8.4 flat skirt.
- If there is excessive movement, skirt fluting and/or heavy bearing at the inner landing zone, this indicates that the skirt is too flat. Order a lens with a 7.9 steep skirt.



Skirt is too steep showing fluorescein pooling in the ILZ



Skirt is too flat showing bearing in the ILZ



Skirt curve is correct showing optimal fluorescein pattern and slight clearance in the ILZ

Step 3: Power Determination

Over-refract the final diagnostic lens. Add the spherical over-refraction to the diagnostic lens power on the Vault & Power Chart.

Step 4: Order Lenses

Order on-line at www.SynergEyes.com/Professional, call Customer Service at 877.733.2012 option 1.
Or call Technical Consultation at 877.733.2012 Option 2.
Outside USA & Canada, call +1 760.476.9410 option 1, or email: intorders@synergeyes.com.

Lens Dispensing & Follow-Up Visit

Instruct patient with proper insertion and removal techniques. Patient lens handling & care videos are available at www.SynergEyes.com. Assess visual acuity. If a bubble is observed, remove lens and re-insert. If there is discomfort, remove the lens, rinse and reinsert.

- **Assess lens movement.** Confirm lens movement of up to 1mm with straight ahead and upward gaze. Expect movement on blink with dispensing but less movement after a few hours of wear or at follow up. The high Dk material and tear pump provide high levels of oxygen to the cornea. Confirm no fluting or wrinkling at the skirt edge.
- **Assess patient comfort.** Early lens awareness is normal. As long as fit and vision are acceptable, refrain from making changes at dispensing visit. Patient may experience a period of adaptation to lens awareness and vision. Recommend a scheduled increase in wearing time. Dispense an approved cleaning and disinfection system. Schedule follow-up visit in one week with the patient wearing the lenses at least 4-6 hours prior to their visit.

Optimize Lens Parameters:

Troubleshooting Tips

Remove lens, instill fluorescein in the eye and evaluate the corneal epithelium with a biomicroscope. Re-insert lens with fluorescein and evaluate the pattern.

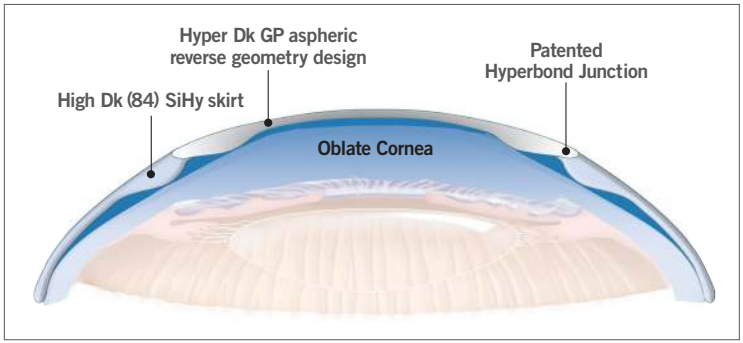
- If pattern looks ideal, review insertion again with patient. Confirm that the patient is filling the bowl completely with saline and that they are not inserting lens with too much force.
- If touch is observed, increase the vault by 50µ. Insert the adjusted lens with fluorescein in the medium skirt and reevaluate. Continue to increase vault until 50µ of clearance is established.
- If clearance is observed in the vault, then decrease the vault by 50µ increments until touch is observed. Once touch is achieved add 50µ to obtain the optimal vault.
- Once the vault is achieved using the medium skirt, evaluate the inner landing zone (ILZ) for bearing. If hard bearing appears in the ILZ, steepen the skirt to allow for better clearance in the ILZ.
- If no improvement is seen and bearing still persists in the ILZ with any of these changes, the UltraHealth FC design may not be optimal for this patient. Call your Irregular Cornea Specialist or the SynergEyes Consultation Department.
- Once desired fit is obtained and patient is comfortable - order new parameters with power adjustment for vault change.

UltraHealth FC

Fitting Philosophy

UltraHealth FC lenses are designed for oblate corneas. The variable curve design lifts the lens off the peripheral cornea with rigid optics providing outstanding vision, and the soft skirt providing dependable centration.

Ideal fit is 50µ of clearance on initial fit.



Lens Parameters

Diameter	14.5mm
Vault Values	55 to 505 in 50µ steps
Skirt Curves	8.4 Flat, 8.1 Medium, 7.9 Steep
Lens Powers	+10.00 to -20.00D +10.00 to +2.50D in 0.50D steps +2.00 to -8.00D in 0.25D steps -8.50 to -20.00D in -0.50D steps
Materials	84 Dk SiHy skirt, 130 Dk GP center
UV blocker	UVA and UVB

Vault & Power Chart

Vault (µ)	mm	Diopters	Rx Power
55	9.5	35.50	plano
105	9.3	36.25	-1.00
155	9.1	37.00	-1.50
205	8.9	38.00	-2.50
255	8.7	38.75	-3.50
305	8.5	39.75	-4.00
355	8.3	40.75	-5.00
405	8.1	41.75	-6.00
455	7.9	42.75	-7.00
505	7.7	43.75	-8.50

Technical Support & Ordering

USA & Canada
Monday-Friday: 9:00AM to 8:00PM (EST)

Place Orders & Customer Care
Tel: 877.733.2012 option 1
E-Mail: orders@synergeyes.com

Technical Consultation
Tel: 877.733.2012 option 2
E-Mail: consultation@synergeyes.com

Fax: 877.329.2012
Online: SynergEyes.com/Professional

Outside USA & Canada
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