

Wavefront-inspired optical design shows superior aberration control compared with other silicone hydrogels.²

The enhanced aspheric optical design of PureVision™ contact lenses: engineered to reduce the positive spherical aberration across all lens powers.

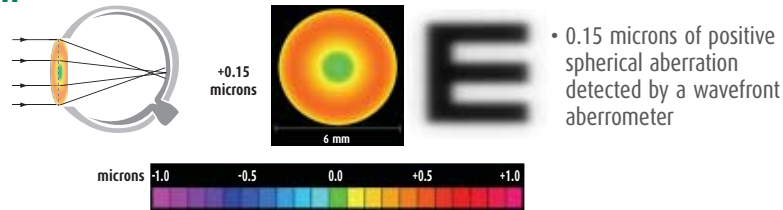


Aberration Map with 6.0 mm Pupil



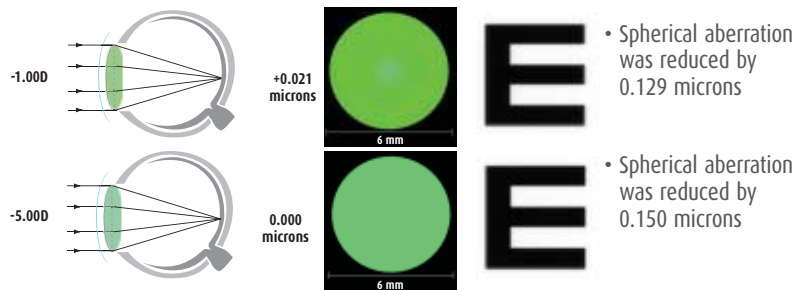
Simulated Vision with 6.0 mm Pupil

General Population

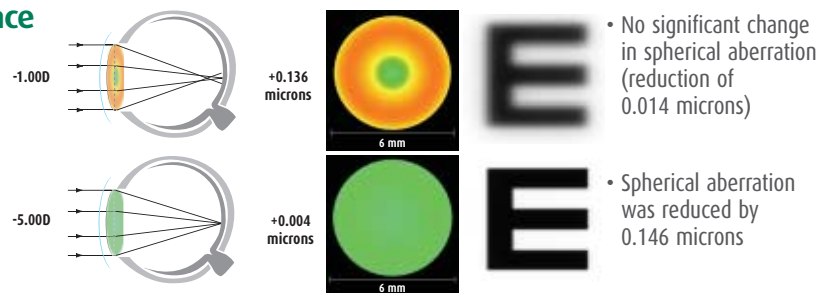


PureVision™

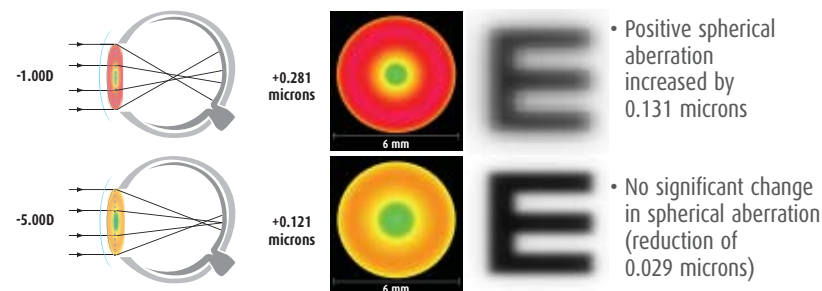
• Reduction in positive spherical aberration achieved the ideal wavefront aberration maps at both -1.00D & -5.00D.



Acuvue Advance



Night & Day



² Twenty subjects were dilated to achieve a minimum of 6.0 mm pupil diameter. Baseline spherical aberration was measured using a Zywave™ aberrometer. PureVision™ and Night & Day (-1.00D and -5.00D) contact lenses were inserted into 1 eye in random order. The measurement of spherical aberration was repeated with the contact lens in place. A second cohort of 20 subjects compared PureVision™ and Acuvue Advance (-1.00D and -5.00D) contact lenses using same protocol. PureVision™ spherical aberration measures were averaged between the 2 evaluations. Results are presented as the change from baseline compared to the spherical aberration reported for the general population.

Wavefront aberration maps and simulated retinal images were generated using Vision Optics laboratory software. The letter represents a 20/80 letter size viewed through a 6.0 mm pupil and an eye with no other aberration except for spherical aberration.