Clinical Performance Comparison of Two Commercially Available Daily Disposable Soft Contact Lenses: Verofilcon A versus Somofilcon A



^{1.} Morgan PB, et al. Cont Lens Spectrum. 2022;37:32-38.

Colton Heinrich¹, Katherine Bickle², Gina Wesley³, Selena Chan⁴, Bradley Giedd⁵, Lakshman Subbaraman⁶ ¹Clarke Eyecare Center, Wichita Falls, TX, USA; ²ProCare Vision Centers, Inc., Granville, OH, USA; ⁴Pacific Rims Optometry, San Francisco, CA, USA; ⁴ ⁵Kindred Optics at Maitland Vision, Maitland, FL, USA; ⁶Alcon Research LLC, Johns Creek, GA, USA

75.7

• Of the subjects who reported a preference at visit 3, 64.94% preferred verofilcon A lenses

Abbreviations: LCL, lower confidence limit; logMAR, logarithm of the minimum angle of resolution; LSM, least square mean; SCL, soft contact lens; SD, standard deviation; SE, standard error; UCL, upper confidence limit. Acknowledgement: Writing, editorial, and formatting assistance was provided by Nitin Gawali, PhD from Indegene Pvt. Ltd. which was contracted and funded by Alcon.







Somofilcon A

Vision

RES	ULTS	և		
 A total of 170 subjects were enrolled in the study, of which 167 subjects were randomized (screen failure, n=3) Of these subjects, 164 completed the study (discontinued, n=3) Overall, mean±SD age of the subjects was 31.4±8.2 years, with 69.5% being female Majority of subjects were of White race and of Not Hispanic or Latino ethnicity (Table 1) 				
Table 1. Demographic characteristics of subjects				
Characteristics		Overall (n=167)		
Age, mean±SD years		31.4±8.2		
Age Group, 18 – 64, n (%)		167 (100.0)		
Sex, n (%)				
Male		51 (30.5)		
Female		116 (69.5)		
Race, n (%)				
White		136 (81.4)		
Asian		25 (15.0)		
Black or African American		4 (2.4)		
Other		2 (1.2)		
Ethnicity, n (%)				
Hispanic or Latino		13 (7.8)		
Not Hispanic or Latino		154 (92.2)		
Table 2. Lens movement and lens position at week 1				
Lens fit characteristics	Verofilcon A (n=328)	Somofilcon A (n=328)		
Lens movement – primary gaze, n (%)				
Unacceptably tight	0 (0.0)	0 (0.0)		
Acceptably tight	29 (8.8)	62 (18.9)		
Optimal fit/movement	281 (85.7)	240 (73.2)		
Acceptably loose	18 (5.5)	24 (7.3)		
Unacceptably loose	0 (0.0)	2 (0.6)		
Lens movement – peripheral gazes, n (%)				
Unacceptably tight	0 (0.0)	0 (0.0)		
Acceptably tight	13 (4.0)	32 (9.8)		
Optimal fit/movement	290 (88.4)	273 (83.2)		
Acceptably loose	25 (7.6)	21 (6.4)		
Unacceptably loose	0 (0.0)	2 (0.6)		
Lens position, n (%)				
Optimal lens centration	299 (91.2)	226 (68.9)		
Acceptable decentration	29 (8.8)	100 (30.5)		
Unacceptable decentration	0 (0.0)	2 (0.6)		

Lens fit characteristics	Verofilcon A (n=328)	Somofilcon A (n=328)
Lens movement – primary gaze, n (%)		
Unacceptably tight	0 (0.0)	0 (0.0)
Acceptably tight	29 (8.8)	62 (18.9)
Optimal fit/movement	281 (85.7)	240 (73.2)
Acceptably loose	18 (5.5)	24 (7.3)
Unacceptably loose	0 (0.0)	2 (0.6)
Lens movement – peripheral gazes, n (%)		
Unacceptably tight	0 (0.0)	0 (0.0)
Acceptably tight	13 (4.0)	32 (9.8)
Optimal fit/movement	290 (88.4)	273 (83.2)
Acceptably loose	25 (7.6)	21 (6.4)
Unacceptably loose	0 (0.0)	2 (0.6)
Lens position, n (%)		
Optimal lens centration	299 (91.2)	226 (68.9)
Acceptable decentration	29 (8.8)	100 (30.5)
Unacceptable decentration	0 (0.0)	2 (0.6)
 At week 1, all lenses had optimal/acceptable lens movement (for both primary and 		

impression even after 16 hours of wear

- assessed using Likert questionnaires
- centration at week 1

Conflict of interest: Lakshman Subbaraman is an employee of Alcon. All other authors are clinical investigators for Alcon. There is no other conflict of interest to declare. Funding: This study was funded by Alcon Research, LLC.

peripheral gazes) and optimal lens centration/acceptable decentration (**Table 2**)

CONCLUSION

Verofilcon A performed better than somofilcon A lenses with respect to comfort and overall

More verofilcon A wearers agreed for statements on lens comfort, vision and freshness

Both verofilcon A and somofilcon A lenses had optimal/acceptable lens movement and

^{2.} Miller J, Giedd B, Subbaraman LN. Clinical Ophthalmol (Auckland, NZ). 2021;15:4339.