

New landmark review paper highlights performance benefits of etafilcon A material.¹

Thirty years of 'quiet eye' with etafilcon A contact lenses

Nathan Efron^a, Noel A. Brennan^b, Robin L. Chalmers^c, Lyndon Jones^d, Charis Lau^b, Philip B. Morgan^e, Jason J. Nichols^f, Loretta B. Szczotka-Flynn^g, Mark D. Willcox^h

a. Institute of Health and Biomedical Innovation, School of Optometry and Vision Science, Queensland University of Technology, Australia; b. Johnson & Johnson Vision, Inc, Jacksonville, FL, USA; c. Clinical Trial Consultant, Atlanta, GA, USA; d. Centre for Ocular Research & Education (CORE), School of Optometry & Vision Science, University of Waterloo, Waterloo, ON, Canada; e. Eurolens Research, Division of Pharmacy and Optometry, The University of Manchester, UK; f. The University of Alabama at Birmingham, School of Optometry, Birmingham, AL, USA; g. University Hospitals Eye Institute, University Hospitals Cleveland Medical Center, Department of Ophthalmology & Visual Sciences, Case Western Reserve University, Cleveland, OH, USA; h. School of Optometry and Vision Science, University of New South Wales, Sydney, Australia

Led by Professor Nathan Efron, a team of eminent researchers came together to summarise the extensive body of research, conducted by themselves and others, that sets out the considerable performance benefits of etafilcon A contact lenses (the material behind 1-DAY ACUVUE® MOIST) conducted over the last three decades. Key findings in this review are:

164
articles analysed

Low inflammatory response

and infection risk profile during daily wear. This may be related to the low modulus and the naturally protective anti-microbial non-denatured lysozyme absorbed into the lens from the tear fluid (with in-vitro testing).^{2*}

Equivalent levels of corneal oxygenation

compared to silicone hydrogel materials are maintained during daily wear of low to medium powered etafilcon A lenses.

The daily corneal de-swelling process is not impeded and clinically significant changes in ocular health are not induced.

Looking at material type

hydrogel lenses in general do not appear to show differences in dryness and discomfort compared to silicon hydrogel materials.

1-DAY ACUVUE® MOIST

In a year-long observational study of 570 registered patients wearing 1-DAY ACUVUE® MOIST, the rate of non-serious contact lens related adverse events reported was 0.6%/year. There were no serious adverse events and no symptomatic infiltrative events. However, serious adverse events have been reported at very low rates outside of this study.^{3†}

Etafilcon A remains the most widely used hydrogel material today and remains an important alternative for daily wear in modern contact lens practice.[‡]

FOR MORE INFORMATION

including a link to the publication itself click here

*Based on in-vitro data; clinical studies have not been done directly linking differences in lysozyme profile with specific clinical benefits.

†This observational/surveillance registry relied on patient reports of symptomatic adverse events that led them to seek clinical care. These results should be considered in conjunction with other clinical results on the safety and efficacy of daily disposable etafilcon A contact lenses, which are also generally show low rates of such events. Although no symptomatic infiltrative events were reported in this study, such events can occur with daily disposable lenses, including 1-DAY ACUVUE® MOIST, as noted in the product labeling.

‡Source Euromonitor International Limited; based on research conducted in Sept-Nov 2022; "world" and "globally" represent markets accounting for 78% of total daily disposable contact lenses in 2021 (retail sales).

1. Efron N, Brennan NA, Chalmers RL, Jones L et al. Thirty years of 'quiet eye' with etafilcon A contact lenses. Contact Lens and Anterior Eye 2020; 43:285-297.

2. Heynen M, Omali NB, Fadli Z, et al. Selectivity and localization of lysozyme uptake in contemporary hydrogel contact lens materials. J Biomater. Sci. Polym. Ed. 2017;28(13):1351-1364. doi:10.1080/09205063.2017.1327751.

3. JJV Data on File, 2022. 1-DAY ACUVUE® MOIST Claims from the TEMPO Observational Registry.

Important Safety Information: ACUVUE® Contact Lenses are indicated for vision correction. As with any contact lenses, eye problems, including corneal ulcers, can develop. Some wearers may experience mild irritation, itching or discomfort. Contact lenses should not be used in case of eye infections or any other eye conditions, or in case of a systemic disease that may affect the eye. For detailed product information, including contraindications, precautions and adverse reactions, please consult the Instructions for Use or visit our Johnson & Johnson Vision website (<https://jnjvisionpro.co.uk/instructions-for-use>).

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