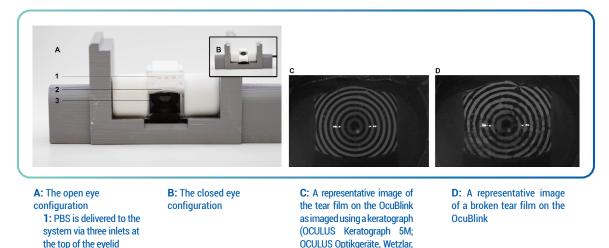


EVALUATING VISCOSITY AND TEAR BREAKUP TIME OF CONTEMPORARY COMMERCIAL OCULAR LUBRICANTS ON AN IN VITRO EYE MODEL

Study conducted by:

Chau-Minh Phan; Mitchell Ross; Karim Fahmy; Blair McEwen; Ilan Hofmann; Vivian W. Y. Chan; Connor Clark-Baba; Lyndon Jones

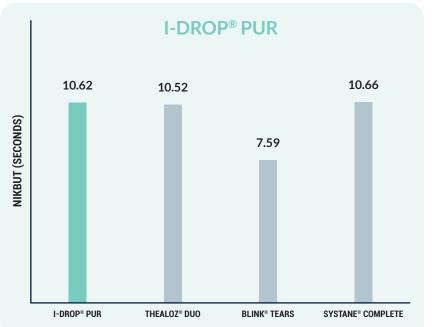
MODEL USED: THE OCUBLINK SYSTEM



Germany)

The OcuBlink System is an *in vitro* model that simulates a physiological blink actuation and an artificial tear film layer. This innovative model replicates the human eye to a great extent and provides Tear Break Up Time (TBUT) as output, allowing an easy, fast, reproducible, and reliable comparison between drops.

RESULTS ANALYSIS



2: The eyelid

3: Spreads the tear fluid to

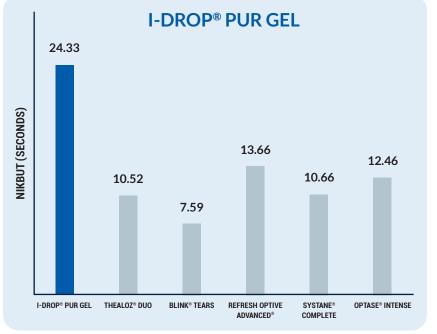
create an artificial tear film with each blink motion



I-DROP[®] PUR:

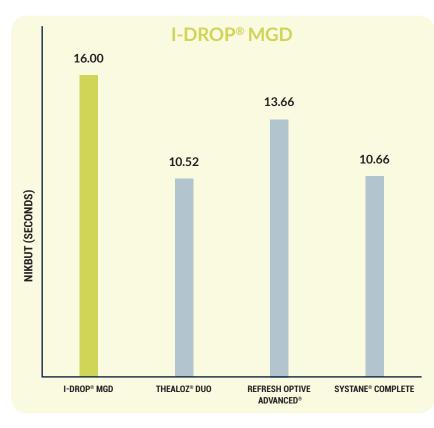
- Provides a comparable TBUT extension as THEALOZ[®] DUO.
- Provides a 40% increase in TBUT compared to BLINK[®] TEARS.
- Provides a comparable TBUT extension as SYSTANE[®] COMPLETE.

RESULTS ANALYSIS (cont.)



I-DROP[®] PUR GEL:

- Offers an unmatched extension of TBUT.
- Mimics the natural tear film offering comfort during blinking.
- Offers the longest TBUT among all competitors in the study by 78% to 220%.



I-DROP[®] MGD:



- Outperforms Evaporative Dry Eye drops in extending TBUT.
- Provides an extension of TBUT over other phospholipids or oil-containing drops by 17% to 52%.
- This in vitro study demonstrated the superiority of I-DROP® MGD in extending TBUT by 52% compared to THEALOZ® DUO, confirming the 35% previously reported in vivo.

- CONCLUSIONS
- The I-DROP[®] line exhibits high initial viscosity offering an extended TBUT while behaving like the natural tear film.
- ✓ The I-DROP[®] line mimics natural tear film, offering comfort during blinking.
- I-DROP[®] uses a unique formula that contains high molecular weight hyaluronic acid to improve tear stability and mimic natural tear viscosity.