

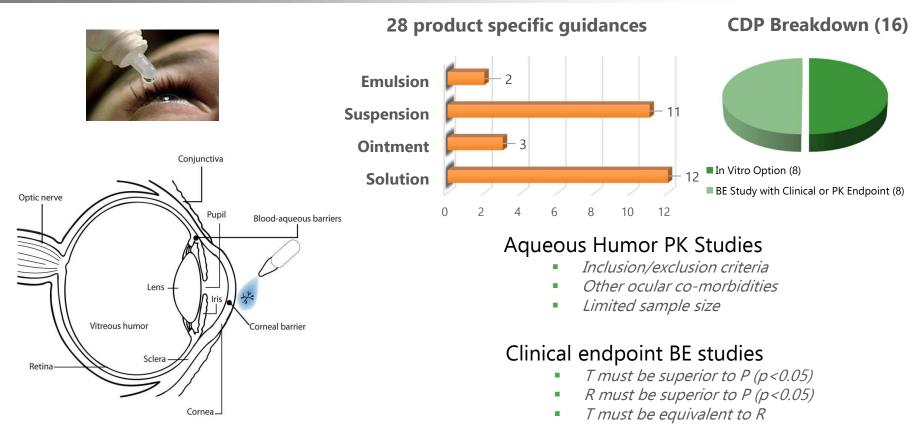
The Complex Biology of Vision

Equivalence Strategies for Complex Ophthalmic Products

Vatsala Naageshwaran Vice President Corporate Development



Barriers for Generic Product Development



- Blood is downstream of site of action
- Drug concentration at site of action challenging/impossible to measure
- Drug in plasma is not detectable

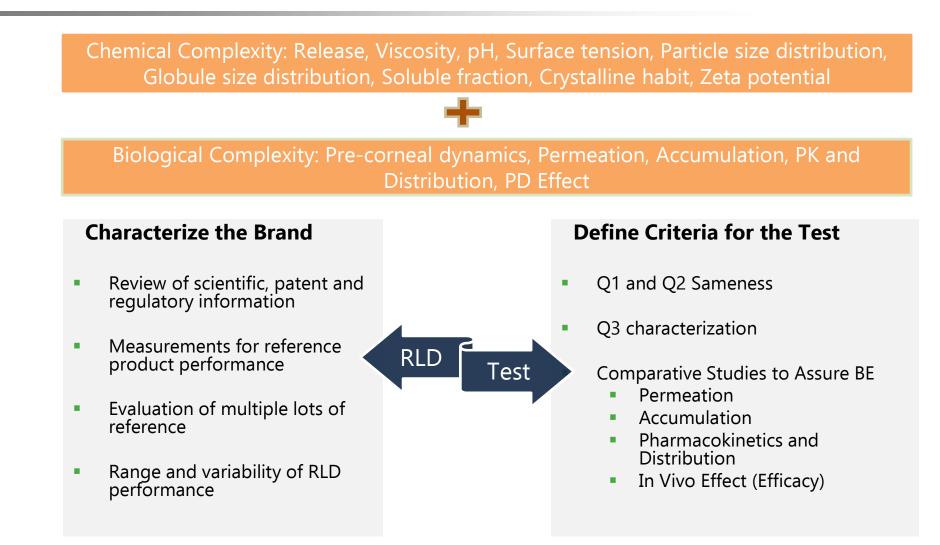
Q3 Characterization

 Matching physicochemical characteristics to ensure equivalence in (in vivo) performance



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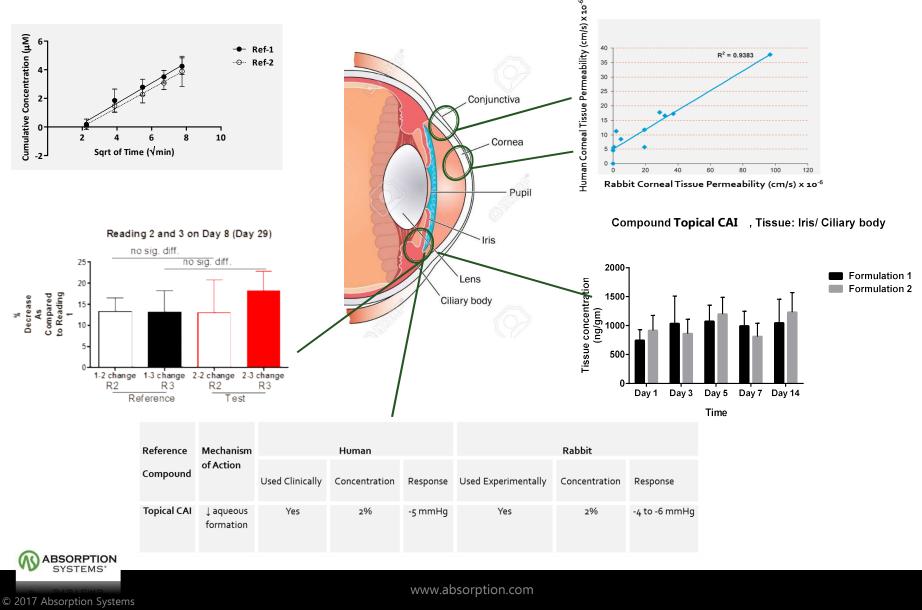
Addressing Chemical and Biological Complexity



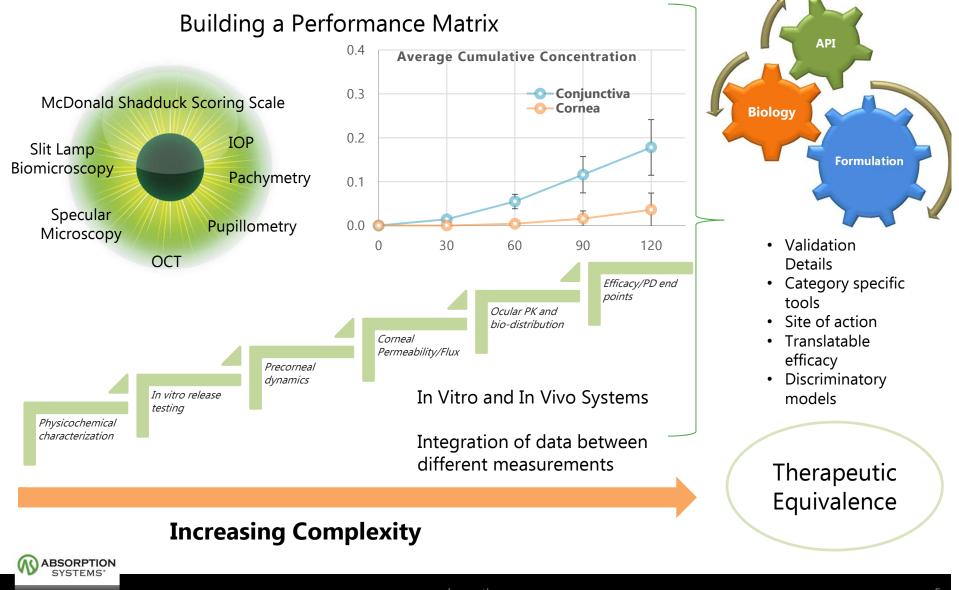
Address residual uncertainty through biocharacterization

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Science of Comparison – Orthogonal Measurements



Totality of Evidence – Using Complex Biology



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