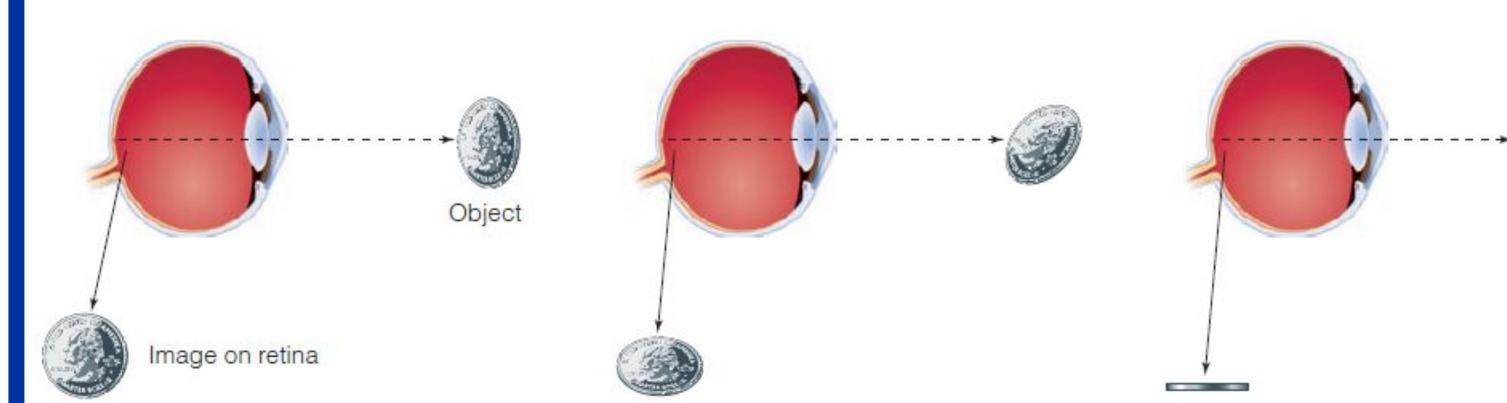


Redefining Visibility Limits in Visual Inspection and Particle Detection for Standardized Operator Qualification

Background

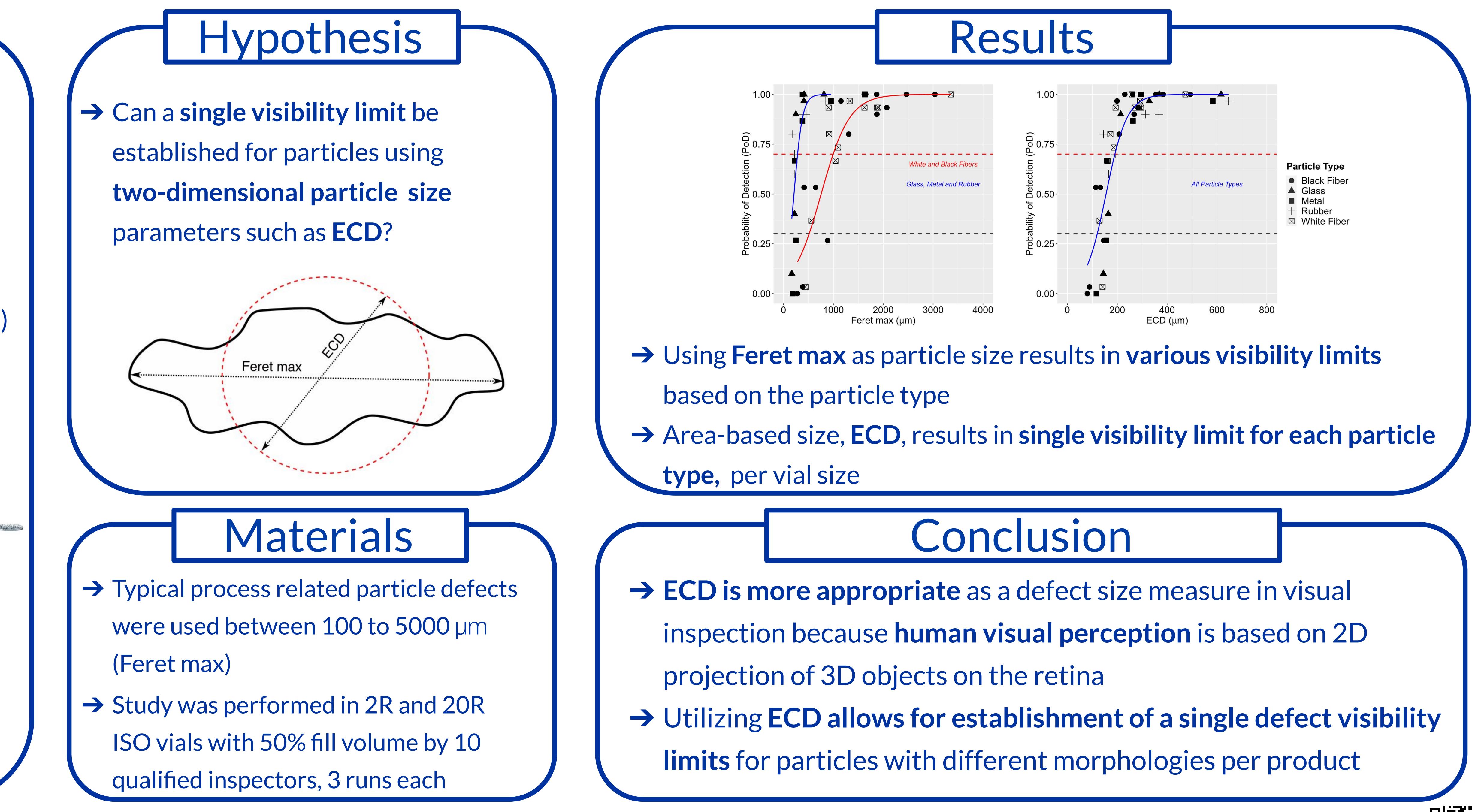
- → VI is probabilistic in nature with PoD dependant on particle size
- → "Visibility" is defined as 70% PoD
- Visibility limits depend on particle morphology when utilizing one-dimensional size (e.g. Feret max)
- Human vision allows for perceiving **3D objects as 2D projections** on the retina



 Area-based defect size parameters may allow for harmonization of visibility limits

- Goldstein, B. E., Sensation and Perception, 2009

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• Fedorowicz F et al. PDA J Pharm Sci Technol. 2024;78(6)

