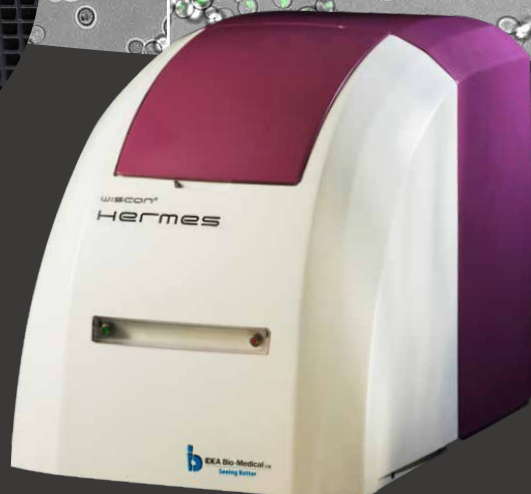


**HERMES for
OIL IMMERSION
OBJECTIVES**

*Fast, automated imaging with
Oil immersion objectives
Brighter images, higher resolution*



Why High NA Oil Objectives in HCS?

- ☑ Shorter Exposure
- ☑ Brighter Images
- ☑ Higher Resolution

Full automation, No Compromises

- Unique hardware automatically adds immersion oil to objectives
- No user intervention; No oil spilling
- Autonomous, rapid image acquisition for:
 - Full-plate scanning
 - Time-lapse imaging of live cells
- Optimized autofocus, X, Y, Z motion and long-duration oil capsules for easy maintenance

Applications

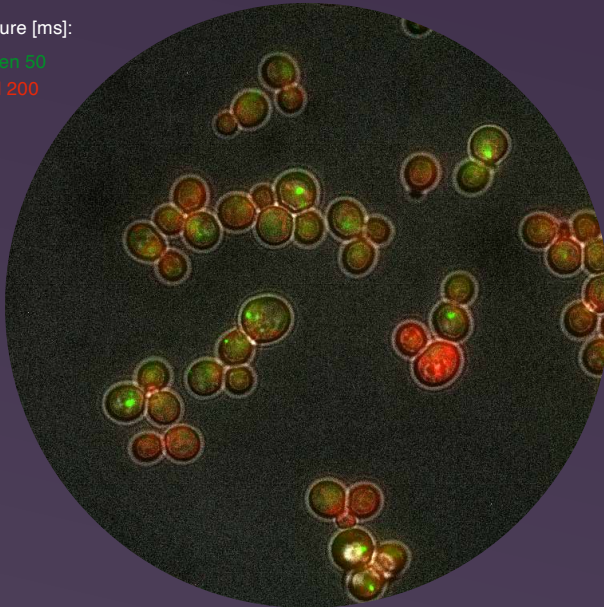
- Super-resolution radial fluctuations (SRRF) live-cell imaging
- Fluorescence In-Situ Hybridization (FISH)
- Microbiology, Virology & Yeast
- Spot / Foci / Granule visualization
- Mitochondria, Endoplasmic Reticulum, Cytoskeleton & Focal Adhesion imaging

Oil Objective

60x, 1.4 NA

Exposure [ms]:

- Green 50
- Red 200

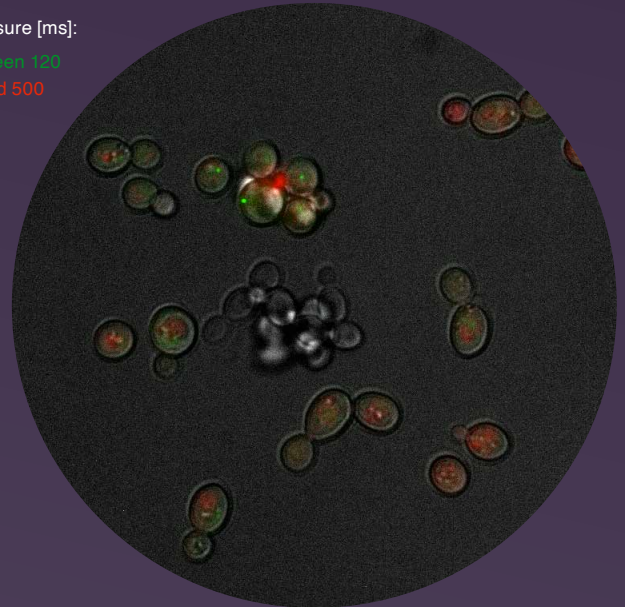


Air Objective

60x, 0.9 NA

Exposure [ms]:

- Green 120
- Red 500



Images: Green/Red same contrast levels; Acquisition: Same illumination & camera gain

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