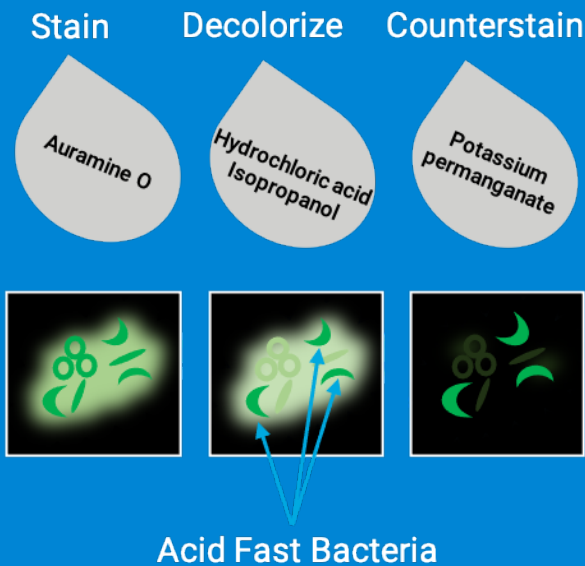


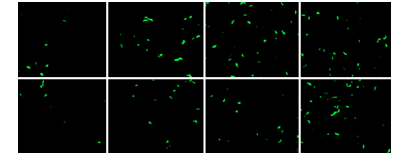
Acid Fast Bacteria (AFB) Scoring

Acid Fast Bacteria have a unique, complex coating that resists decolorizing by acid-alcohol. Microscopy staining methods that exploit this property are used to screen for AFB, like Mycobacterium Tuberculosis (TB) that cause prevalent disease. Objective magnification determines how many Field Of Views (FOVs) are required to score results.

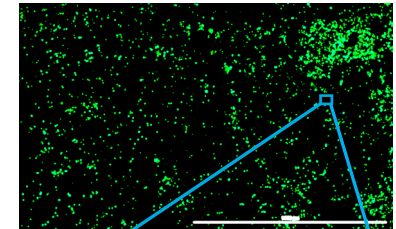


Augmented microscopy

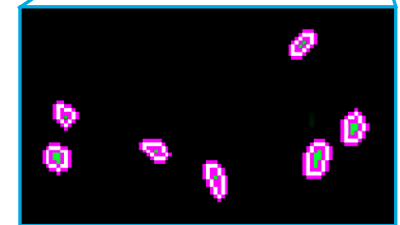
Capture: Slides are automatically imaged at 20x as a multiple field of view (FOV) montage using the GFP channel.



Process: Following background correction all FOVs are stitched together into one image.



Analyze: AFB are defined for each FOV and the stitched image using thresholds optimized on select regions of interest.



Publish: Counts are used to score results according to standard grading criteria for AFB screening.

