



Fusion Bacteriology Suite

Gram stain solution Quick Start Guide

Techcyte's Gram stain solution is an AI-assisted, digital screening tool that is designed to enable medical professionals to quickly identify and confirm the presence, absence and prevalence of bacteria on a gram stained slide.

1. Prepare your slides

Prepare manual smear, cytospin or automated gram stained slides using your lab's approved procedure.

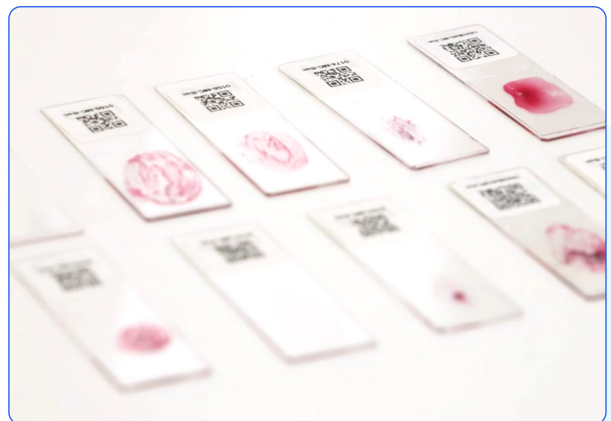
2. Coverslip stained slides

Attach a coverslip to the slide, avoiding air bubbles. Once applied, inspect the slide to ensure that the label and coverslip do not extend beyond the edge of the glass.

3. Scan Gram-stained slides

Scan the slide using the one of the following validated scanners: Pramana Spectral M, Pramana Spectral HT, or Hamamatsu S360.

If using the Hamamatsu S360, special slides with proprietary fiducial markings are required to reliably scan the slides.





4. Using the Techcyte platform

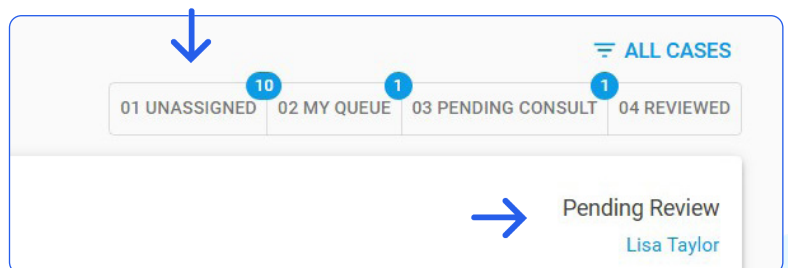
1. Sign in

Use a Google Chrome or Microsoft Edge browser and navigate to <https://app.techcyte.com>, and sign in.

2. Review the Worklist

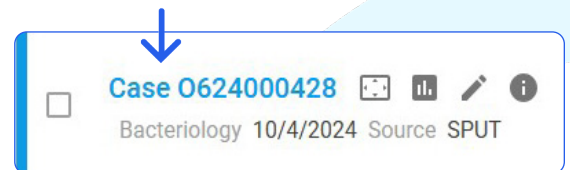
Make sure your name and company appear in the User Information.

Check the "My queue" filter to view cases that have been assigned to you, or assign a case to yourself by clicking on the assignment link.



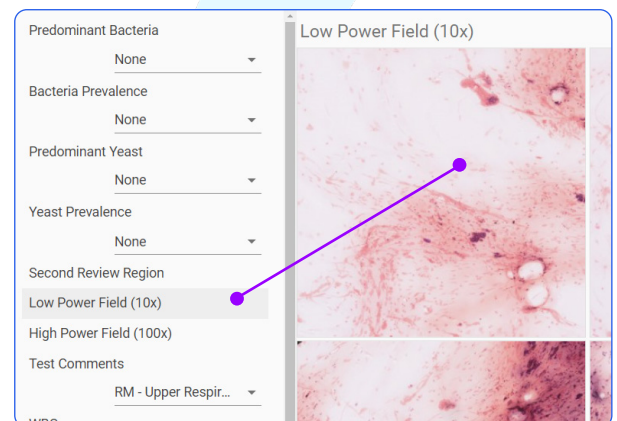
3. Open the case

Click on a case's name to open the case in Gallery view.



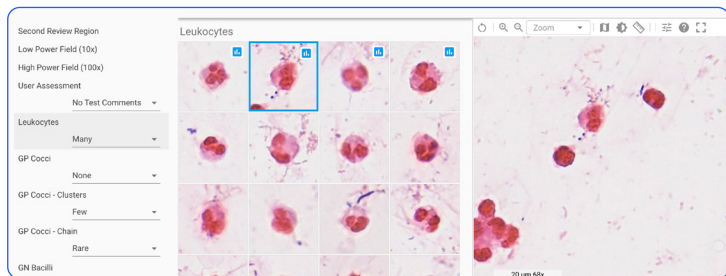
4. Review the case

Review the 10x and 100x FOV and review the results presented in the side bar. Confirm the presence, prevalence, and predominance results then review object images for each class to ensure correct reporting of bacteria and cells.



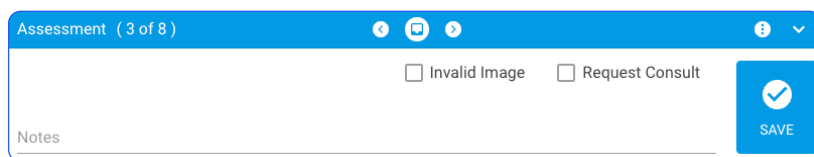
5. Using the show slide feature

The split screen view may also be used by clicking “Show slide” (🖨️) at the top right of the open window . With the show slide feature enabled, you can view both the FOVs and object images in context.



6. Review assesement

Add any necessary notes within the Assessment drawer. Click Save to save your results.



7. Positive cases

After reviewing the scan, suspected positive scans may be submitted for secondary review by clicking the Request Consult checkbox and then the Save and Submit button.

