

Liquid-based cytology

Computer-guided screening

Immuno-chemistry



Helping all people
live healthy lives

Make the BD FocalPoint™ GS Imaging System your guide in cervical cytology screening

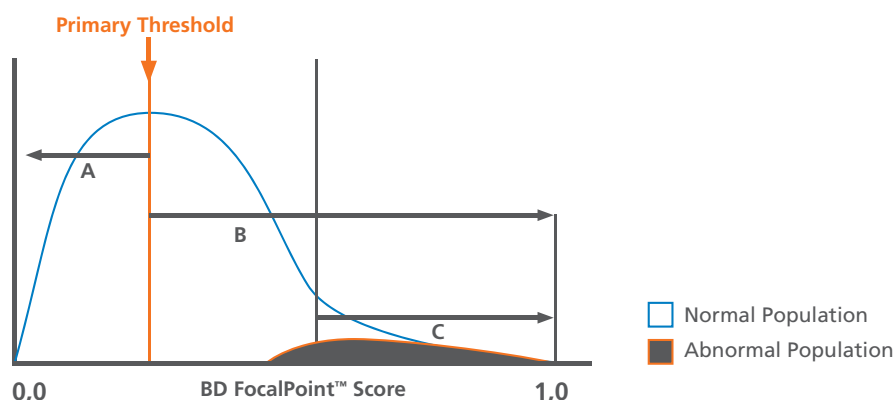
- Directs your attention to slides most likely to contain abnormalities
- Guides you to specific areas on the slide most likely to contain abnormal cells or information of diagnostic interest



The BD FocalPoint™ GS Imaging System improves the quality of slide reading by:

- Automating the screening of both conventional and BD SurePath™ liquid-based slides
- Detecting changes associated with epithelial abnormalities and specimen adequacy using morphology and densitometric parameters
- Ranking slides and slide locations according to their likelihood of containing abnormal cells
- Relocating automatically areas of interest in a prioritized order
- Offering the capabilities to electronically mark the area of interest, make annotations and track the progress of slide review

All slides from the laboratory are screened on the **BD FocalPoint™ Slide Profiler**, which uses multiple morphology and densitometric features to rank and sort slides according to the likelihood of abnormality. It differentiates and measures hundreds of features from artifacts, cells, cell groups and thick cell groups from each slide and translates this information into an anomaly score from 0.0 to 1.0. Each slide is ranked, based on this anomaly score and classified into "Review" and "No Further Review" ⁽¹⁾. Review slides are then ranked into five quintiles (1=highest risk, 5=lowest risk) helping to understand the risk inherent in each slide.



- A. Slides with scores below the primary threshold can be archived with no further review
 B. Slides with scores the primary threshold are reviewed by cytotechnologists
 C. Slides with scores are re-screened by cytotechnologists

Once the **BD FocalPoint™ Slide Profiler** has screened all slides, the fields on the slides, most likely to contain abnormal cells, are presented to the cytotechnologist by the BD FocalPoint™ GS workstation. The motorized stage of the microscope enables an easy and quick review of these fields on the slides.

(1) Optional Capability.



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