

FACSCOPE® B

Automatic cell counter



FACSCOPE® B is an automatic stand-alone cell counting system based on a bright-field microscopy. FACSCOPE® B overcomes inconvenience associated with conventional hemocytometer by providing features such as autofocusing, customized presets, various counting modes, and user-friendly software.

CONSISTENT

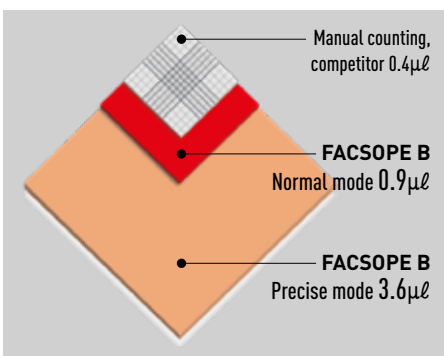
Automatic focusing function scans multiple focal points and automatically selects the best one.

ADVANCED

Irregular and aggregated cells can be clearly identified with FACSCOPE® B's advanced cell detection algorithm.

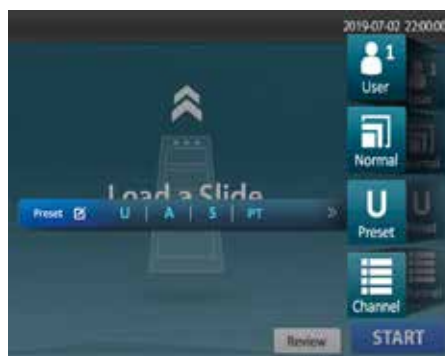
SIMPLE

Cell counting is done by three steps: (1) cell staining, (2) loading sample, (3) counting.



Accurate

FACSCOPE® B analyzes larger counting volume than hemocytometer and other type cell counters. In precise mode the counting volume is up to 9 times larger, providing more accurate results.



Flexible

Selectable and customizable presets, gating adjustments, and three counting modes are provided.

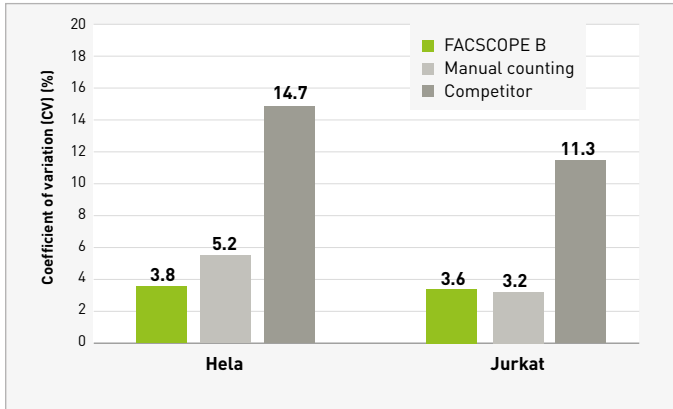


Convenient

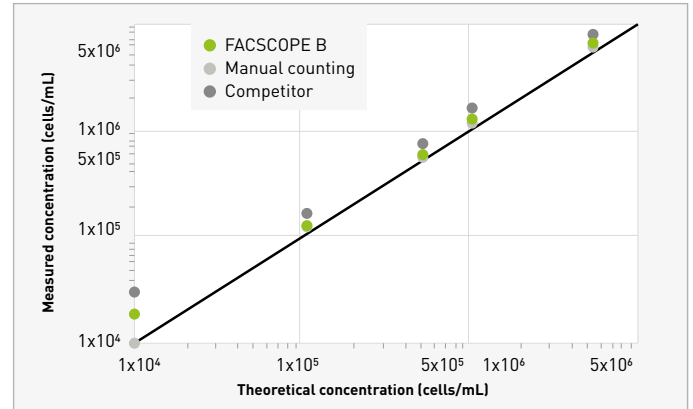
Disposable counting slides reduce inconvenience by eliminating the need for washing slides.

RELIABLE PERFORMANCE RESULT

Identical samples of HeLa and Jurkat were counted by FACSCOPE® B, manual counting, and competitor. The counting variation of FACSCOPE B is close to the results of manual counting.



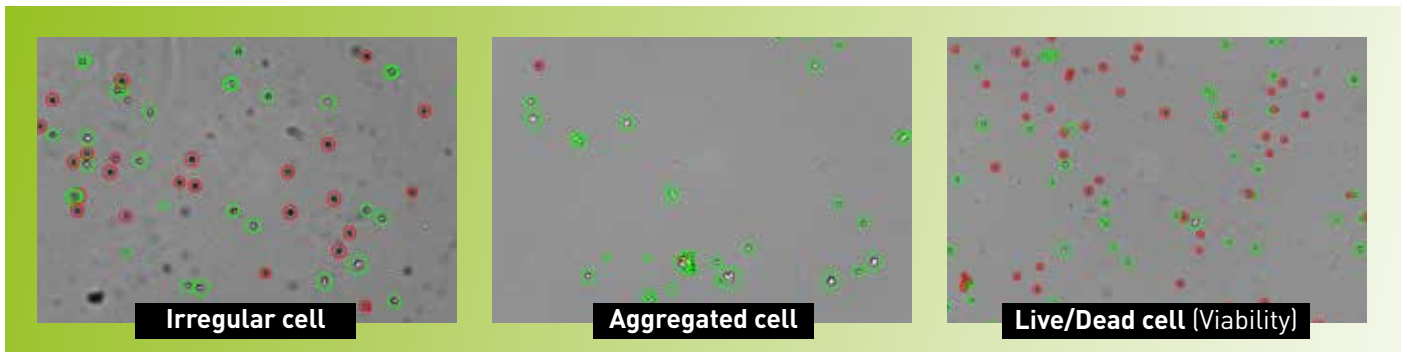
In addition, measured concentration is more similar to the theoretical concentration than the competitor's.



ADVANCED DETECTION ALGORITHM

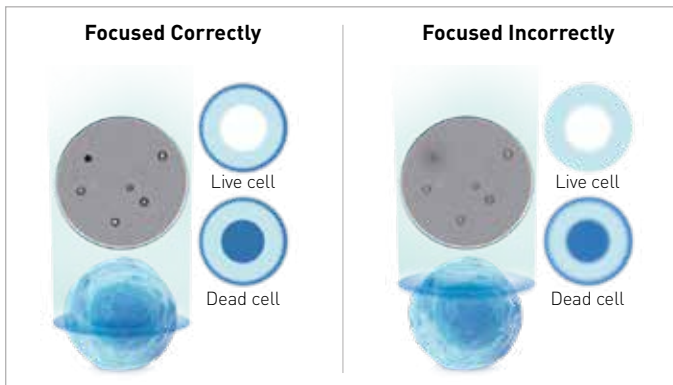
The advanced recognition algorithm of FACSCOPE® B provides users with the opportunity to observe various cells accurately. Irregular cells and aggregated cells can be

clearly identified, as well as live and dead cells for various cell-based studies.



CONSISTENT

FACSCOPE® B automatically focuses on the grid of the slide. It is a unique technique not seen in other cell counters, and it improves accuracy due to always detecting a constant plane.



FACSCOPE® B	
External dimensions (WxDxH)	163 × 293 × 216 mm
Weight (Kg)	5.0
Objective Lens	4X
Imaging modes	Bright field
Light source	LED
Camera	5MP CMOS
Measuring concentration range	1 × 10 ⁴ ~ 1 × 10 ⁷ cells/mL
Detectable cell diameter	5 ~ 60µm
Measuring speed*	Quick mode: ≈ 20s per test, Normal mode: ≈ 30s per test, Precise mode: ≈ 100s per test
Counting area	Quick mode: ≈ 0.15 µL, Normal mode: ≈ 0.9 µL, Precise mode: ≈ 3.6 µL
Model number	Description
CUR-CRFCB-01	FACSCOPE® B, Automatic cell counter (Brightfield)
CUR-CRFCB-CSD50	FACSCOPE® Slide, Disposable slide for FACSCOPE® B 50 slide/box (200 test)
CUR-CRFCB-SK01	FACSCOPE® Starter Kit, FACSCOPE® Slide 5ea + touch-pen + USB Memory
CUR-CRFCB-SS01	FACSCOPE® Standard slide, IQ/OQ package (Bead QC Slide, Certificate of Analysis)
IC83221-RA	G-type (UK) power cable for the Facscope B
IC81131-RA	F-type (EU) power cable for the Facscope B
IC85101-RA	J-Type (Switzerland) power cable for the Facscope B

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