

SeekMate® Cell Counter

—The counting expert in the palm of your hand

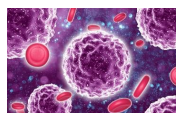
Product Overview

The **SeekMate® Cell Counter**, independently developed by Beijing SeekGene® BioSciences Co., Ltd., achieves high-precision counting by combining imaging, algorithms, and automation. It offers **dual-mode selection** of both brightfield and fluorescence cell counting and can accurately recognize a wide range of cells from **0.5 to 180 µm** in diameter, including some microbial species. The **built-in AI algorithms** have been specially developed based on our experience with 100+ types of tissue and cell data. Unlike current counting methods that average cell counts over multiple fields, which can lead to bias, the SeekMate® Cell Counter improves accuracy by providing a complete image of the sample with **high-resolution panoramic scan**. With its compact size, portable design, and built-in battery, the SeekMate® Cell Counter just functions like a handheld workstation.



The SeekMate® Cell Counter is a fully functional and reliable "counting expert" that excels in analyzing cell viability, monitoring cell growth, and examining cell status with exceptional accuracy. Its broad range of applications spans across multiple fields, including cell therapy, tumour research, microbiology, drug development, and single-cell studies. Whether used for research or clinical purposes, the SeekMate® Cell Counter provides valuable insights and enables researchers to make informed decisions with confidence.

Multi-field Applications



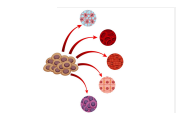
Cell culture

Cell viability assessment, live and dead cell counting, cell status monitoring, cell growth curve, growth cycle.



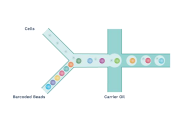
Drug development

Monitoring cell growth status, cytotoxicity, transfection, etc.



Cell therapy

Cell therapy transplantation, detection of accurate cell counts.



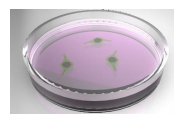
Single cell research

Quality control of single-cell suspensions to ensure that they meet the requirements of single-cell experiments in terms of cell viability, cell concentration, clumping rate, percentage of nucleated cells, etc.



Microbial count

Monitoring microbial colonization and contamination.



Primary cell counting

AI learning function to eliminate impurities, debris and other interference and accurately achieve primary cell counting.

SeekMate® Cell Counter

Product Feature



Compact

Handheld workstation:

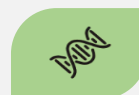
Compact size and portable design with long built-in battery life



Precise

Wide and precise field of view:

High- resolution panoramic scanning and autofocus



Small

Detection of small cells:

Support the counting of small-diameter cells and small-volume samples



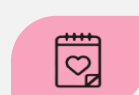
AI algorithm

AI algorithm learning: Based on hundreds of tissue & cell data, the AI machine-learning system is equipped with upgrade function, scientifically enhancing the accuracy and efficiency of counting



Comprehensive

Dual-mode selection: Flexible brightfield and fluorescence cell counting expands the detection information of cell cycle, apoptosis, transfection, toxicity, etc.



Broad

Wide applications: Applicable to research, clinical, pharmaceutical companies, factories, and other fields

Product Function

Experimental Assay	SeekMate® Cell Counter
Total number of cells	✓
Number of live cells	✓
Number of dead cells	✓
Cell viability	✓
Cell concentration	✓
Average cell diameter	✓
Percentage of nucleated cells	✓
Cell clumping rate	✓
Cell growth curve and cycle	✓

SeekMate[®] Cell Counter

Specifications

Technical Parameters	
Cell Concentration Range	$1 \times 10^4 \sim 3 \times 10^7$ cells/mL
Cell Size Range	0.5-180 μ m
Counting Fields of View	3 fields / 9 fields / panoramic scan counting
Sample volume	10 μ L
Sample throughput (slides/chip)	6
Fluorescence Excitation Wavelengths	480nm、525nm
Objective lens	10X
Camera Resolution	5.0 megapixels (2592 x 1944)
Screen	7-inch LCD touch screen
Data Storage	500G
Dimensions	192mm×142mm×138 mm (L x W x H)
Weight	2.7kg
Magnification	5.6X
Focus Method	Autofocusing
Cell Type	Cell lines, primary cells, blood cells, microbes
Others	AI learning system; Built-in battery

Order Information

Name	Quantity	Cat. No.
SeekMate [®] Cell Counter	1 Instrument	M002A
Accessories		
SeekMate [®] Cell Counter Chip	50 chips/kit	SP00022
AO/PI Staining	5mL/pack	K01701



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Contact us

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