



**BIOER
TECHNOLOGY**

Automated Cell Counter

CountCell 600P



More Than Counting, One-click Startup

Product Introduction

The CountCell 600P fully automated cell counter is based on advanced cell imaging principles, employing precision optical systems and image recognition technology. This product integrates high-definition imaging, accurate counting, and intelligent analysis functions. It features a deep learning intelligent recognition algorithm that accurately segments cell clusters, enabling precise counting and data visualization. The instrument is easy to operate with a one-click start, providing users with a fast and efficient automated counting experience without the need for waiting.



Product Features

1

High Resolution Imaging

Equipped with a full-color 6-megapixel high-frame-rate CMOS sensor and a 10× standard objective lens, provide unparalleled performances.

2

Intelligent Algorithm

Equipped with deep recognition capabilities, automatic focusing, exposure, enhancing speed and accuracy.

3

Multiple-sample Statistical Analysis

One imaging statistics session supports six samples with three fields of view each, complying with statistical principles to ensure data accuracy.

4

Convenience and Time Savings

Pre-set protocol enables one-click initiation for capturing, identifying, and analyzing six samples.

5

Ultra-High Storage Capacity

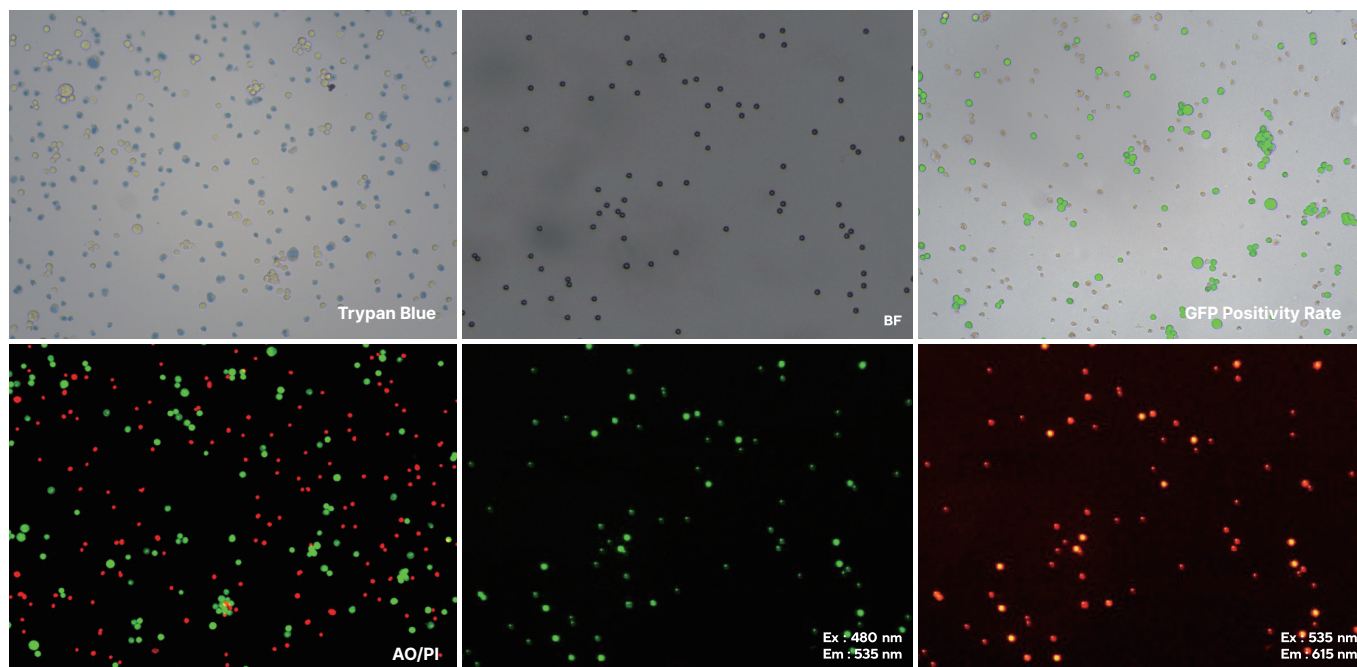
Storing up to 90,000 sets of data, facilitating easy access to past experimental results for reference.

6

Rapid Counting

Achieving cell counting in 8 seconds with Trypan Blue, and 35 seconds with AO/PI staining.

More Than Counting



Specification

Product Name	Automated Cell Counter	
Product Model	CountCell 600P	CountCell 600
Channels	3 channels, Blue Fluorescence: Ex : 480/30nm; Em : 535/40nm Green Fluorescence: Ex : 540/25nm; Em : 620/60nm	1 channel
Function	Bright field+AO/PI	Bright field
Objectives	10×, NA 0.25	
Camera	High-resolution 6 MP color CMOS camera	
Cell Size	2-200μm	
Loading Volume	20 μL	
Measurement Range	1×10 ⁴ to 5×10 ⁷ cells/mL	
LCD display	10.1 inch high-resolution touchscreen color monitor, 1920×1080 resolution	
Storage	500G, 90, 000 sets of data	
Output ports	2*USB3.0, RJ45	
Weight	10KG	8KG
Dimension (mm)	308×290×360	

One-click Startup



Experiment

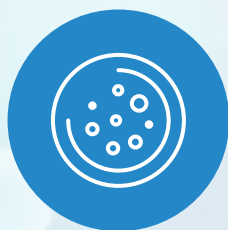


Data



Settings

Administrator



Brightfield



Trypan Blue



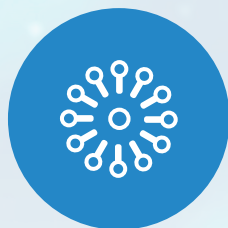
AO/PI



GFP

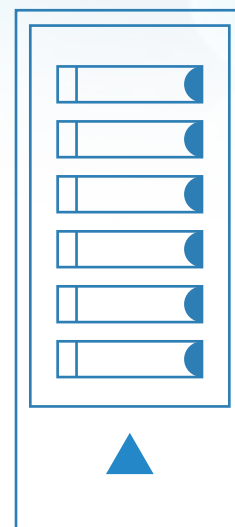
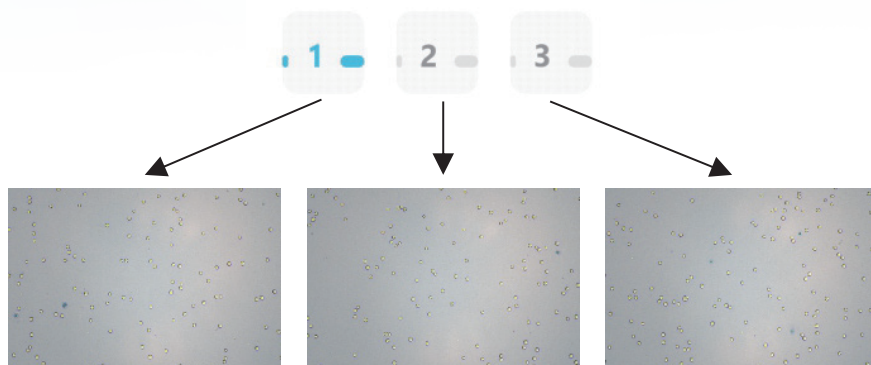


RFP



Cell Cycle

Equipped with a cell counting chamber, it supports imaging and statistical analysis of 3 fields of view for each of the 6 samples at once, ensuring statistical relevance and data accuracy



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