

Galatek

CCEasy High Throughput Automated Cell Analyzer



Automation

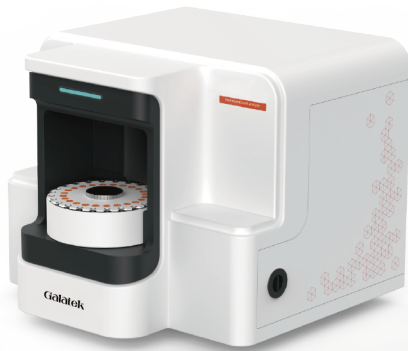
High
throughput

High
precision

Multifunction

Device Overviews

The CCEasy series automated highthroughput cell analyzers can be used with 24-position carousel or 96-well plates for automated sample preparation, and are compatible with Trypan Blue and fluorescent dyes (AO/PI) for cell counting and viability analysis. In addition, the system applies AI intelligent algorithms to identify and calculate the cells in the images with high precision. The CCEasy series can also be integrated with automation, optimizes the upstream and downstream steps of the cell counting process, greatly simplifies the human operation as well as reducing human error, and realizes a automated high-throughput operating system that meets a wide range of testing scenarios.

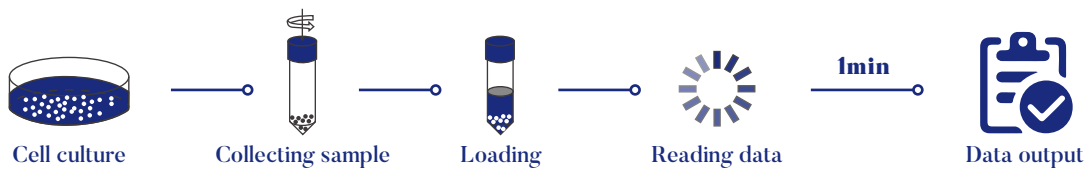


24-throughput Automated Cell Analyzer

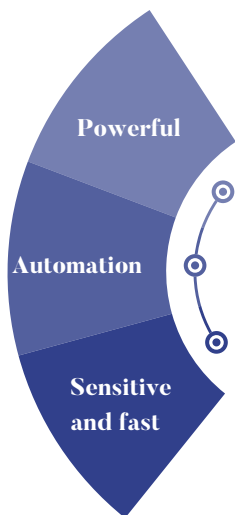


96-throughput Automated Cell Analyzer

● Operating process



Product Features

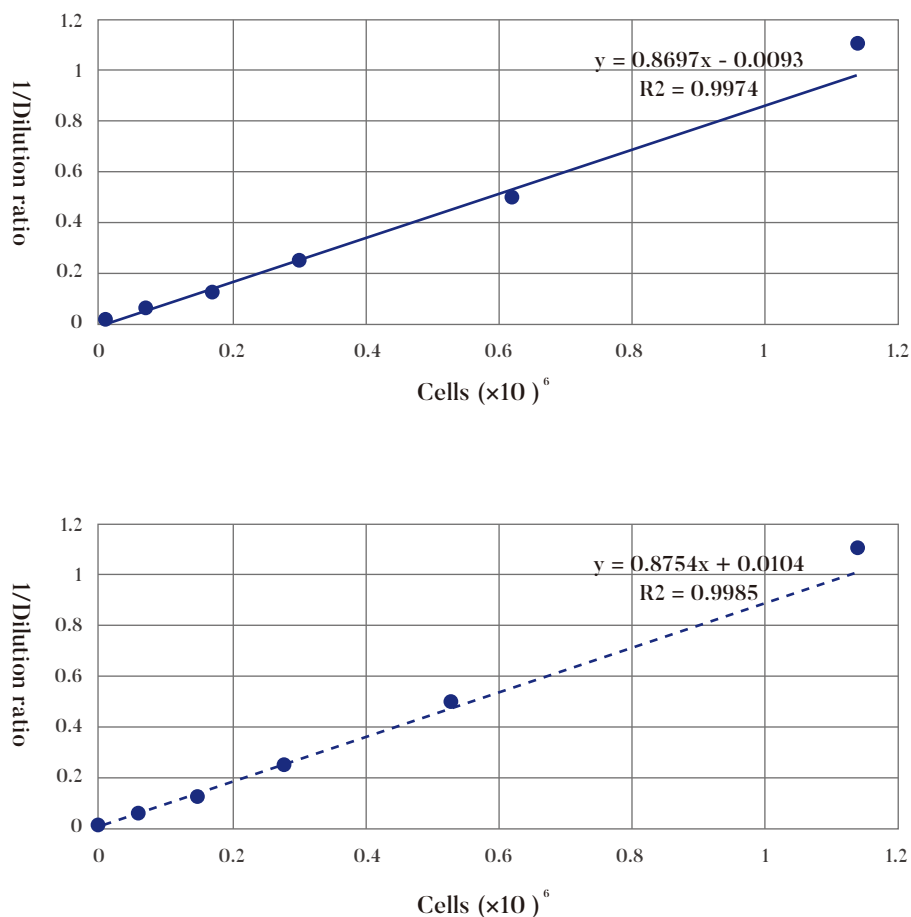


- Multiple experimental scenarios can be selected, compatible with two counting methods: Trypan Blue and fluorescence (AO/PI) staining;
- Artificial intelligence image identification, accurate identification of cells in the images without setting cell parameters;
- Powerful data management system, in line with the requirements of FDA 21 part 11, including multi-level user and multi-level authority management, electronic signature, electronic record, etc.
- Automated standardized testing with no human error introduced;
- High throughput, compatible with 24-position carousel or 96-well plate for uninterrupted continuous sampling;
- Hands free, pre-set reagent kits eliminate manual mixing of dyes and samples;
- Short time-consumption, single sample preparation and detection within 1min;
- Built-in permanent detection pool, eliminating the need for disposable cell counting plates.

Test Data Display

● Gradient test results of standard particles

Linear results after gradient dilution of standard particles by CCEasy series cell analyzers; the upper figure shows the test results of 24-throughput cell analyzer, the lower figure shows the test results of 96-throughput cell analyzer.



● Diameter measurement of multicellular samples

The diameters of multicellular samples were tested by the CCEasy series cell analyzers. The results showed that the cell diameters measurements of the 24-throughput cell analyzer and the 96-throughput cell analyzer were similar and reproducible;

		T24	MEF	HUVEC	HELA	K562	HEPG2
24-throughput	Test 1	16.29	15.73	17.8	15.44	16.72	17.28
	Test 2	16.16	15.73	17.85	15.05	16.65	17.3
	Average	16.225	15.73	17.825	15.245	16.685	17.29
96-throughput	Test 1	16.16	15.76	17.85	15.64	16.74	17.4
	Test 2	16.1	15.74	17.84	15.59	16.42	17.55
	Average	16.13	15.75	17.845	15.615	16.58	17.475

Parameter Info

Product model	CCEasy
Dimensions(W*L*H)	450 x 450 x 400 mm
Weight	18 kg
Power	24 V 3.75 A
Rated power	90W
Sample throughput	24/96
Required sample volume(μL)	200
Detection time(s)	<60
Detection concentration range(per/mL)	5E4-1E7
Detection diameter range(μm)	5-80
Counting types	Trypan Blue counting/Fluorescence counting

Product Lists

Product Name	Cat No.
CCEasy 24-throughput Automated Brightfield Cell Analyzer	MRA-ACC-B24
CCEasy 24-throughput Automated Fluorescent Cell Analyzer	MRA-ACC-C24
CCEasy 96-throughput Automated Brightfield Cell Analyzer	MRA-ACC-B96
CCEasy 96-throughput Automated Fluorescent Cell Analyzer	MRA-ACC-C96
Trypan Blue kits	MRA-B250
Fluorescent kits	MRA-C250

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