

Datasheet

Countstar® BioTech

Automated Cell Counter

Product feature

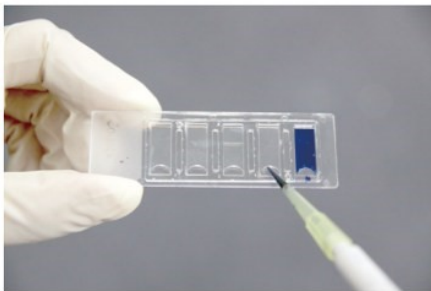
Easy and fast:

Within 20 seconds through three steps with one button



Cost-efficient Consumables:
Loaded 5 sample in one slide

Individual Package



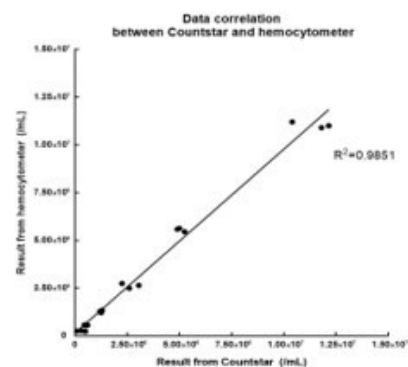
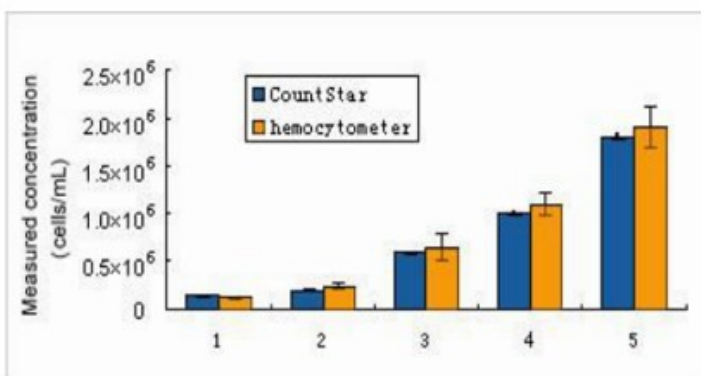
Imaging Technology:

5-megapixel color imaging and a wide sample collection range ensures clear and accurate visualization

Accuracy and Reliability:

Guaranteed by "Fixed Focus" technology, high resolution imaging, larger observation area and advanced algorithms.

Countstar VS Hemocytometer



Powerful data analysis and management System:

1. Intelligence search, Coded lock, security user login and sustainable data management etc., to keep the cell quality and data safety.
2. Countstar software system provides cultivation time chart (CTC), overlay analysis and other statistical and analytical functions
3. Diversity of Data Formats: PDF, EXCEL, JPEG; Automated PDF reports
4. Sustainable Data Management

Specifications

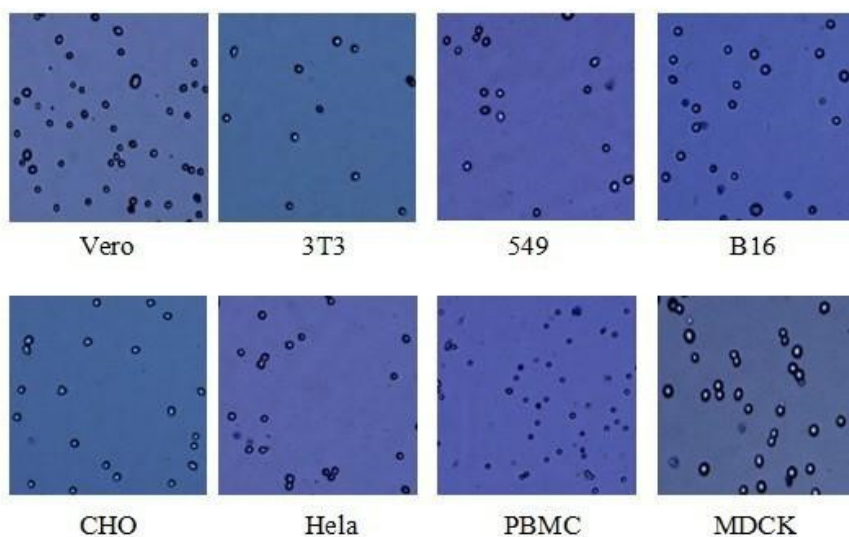
Technical Specifications

Model:	IC 1000
Test Item:	Concentration, Viability, Diameter, aggregation etc.
Sample Density:	1x10 ⁴ - 3x10 ⁷ /ml
Sample Diameter:	5-180µm
Imaging element:	5 Megapixel, CMOS camera
Objective magnification:	2.5 X
Sample Volume:	20µL
Test Time:	<20s
Output:	JPEG/PDF/EXCE

Applications

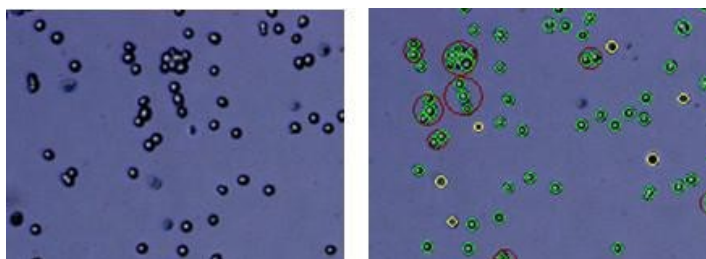
1. Trypan blue cell counting and viability

Countstar is applicable to cells with diameter between 5-180um, like mammalian cell, insect cell, and some planktons.



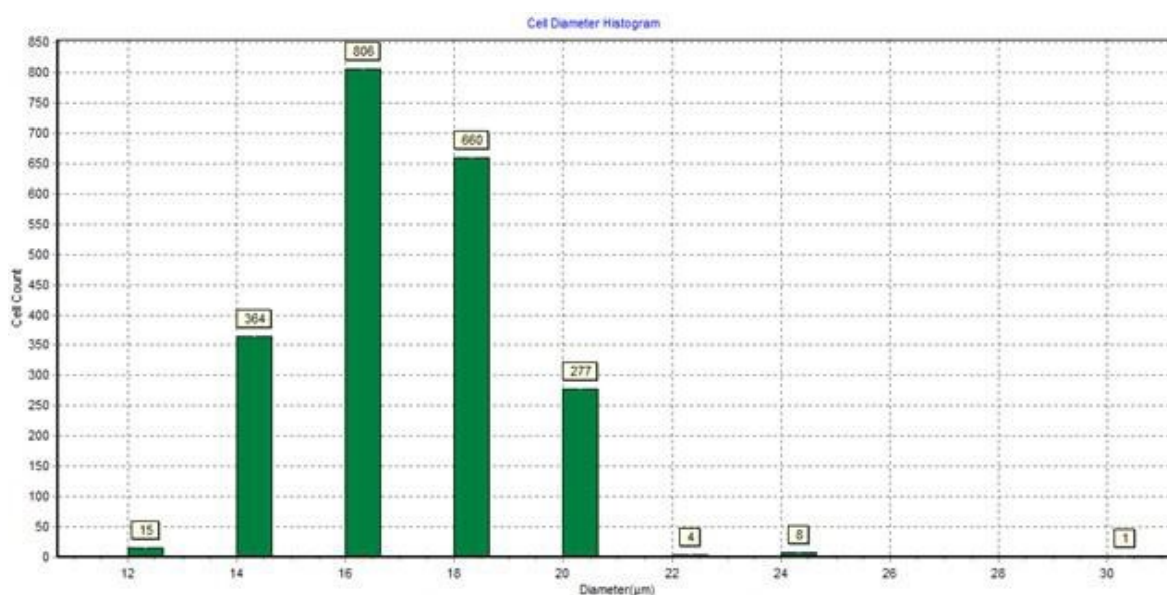
2. Aggregated Cell Analysis

Some primary cells or subculture cells are prone to aggregate when poor culture state or excessive digestion, thus causing great difficulty in the counting of cells. With the Aggregation Calibration Function, Countstar® can realize a stimulation calculation of aggregations to ensure accurate cell counting and obtain the aggregation rate and the aggregation histogram, thus providing basis for experimenters to judge the state of cells. Countstar can count the aggregated cells one by one.



3. Cell Size Analysis

The change of cell size is a key feature and is commonly measured in cell research. Normally it will be measured in these experiments: cell transfection, drug test and cell activation assays.



4. Overlay Analysis of the Cell Growth Curve

In cell culture, the study of pharmacology and toxicology often requires the overlay analysis of multiple growth curves in order to find the optimal culture conditions or the best dosage. Countstar® can directly call up multiple growth curves for comparative analysis.