



# AELAB Cell Counter



## Cell Counter

- ◆ Independent R&D - Based on the Trypan Blue exclusion method
- ◆ LED indicator design
- ◆ Faster, smaller, more economical
- ◆ Compatible with multiple cell morphologies
- ◆ Algorithms automatically filter cell debris and background noise



### System parameter :

Concentration:  $1 \times 10^4$  -  $3 \times 10^7$  /ml

Diameter: 5-200um

Range of cell viability: 0-100%

Sample volume: 25ul

CV values:  $\leq 5\%$

Consumables: EasyFive counting slide

Measuring time per sample: 2s

Sample per consumable: 6 samples

Weight: 1.8kg

Data output: USB output

Size: 255\*164\*97mm

### Intelligent model

#### One-Click counting

- ◆ Time for a sample is only 2 seconds; A counting slide is for 6 samples;
- ◆ LED indicator light design ensures the stability of data.



Add sample



Insert the slide

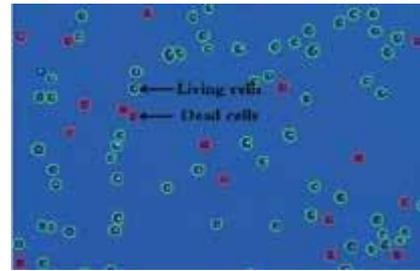
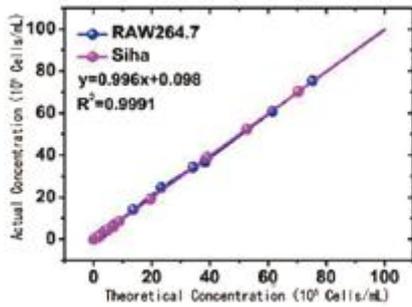


One key analysis and results

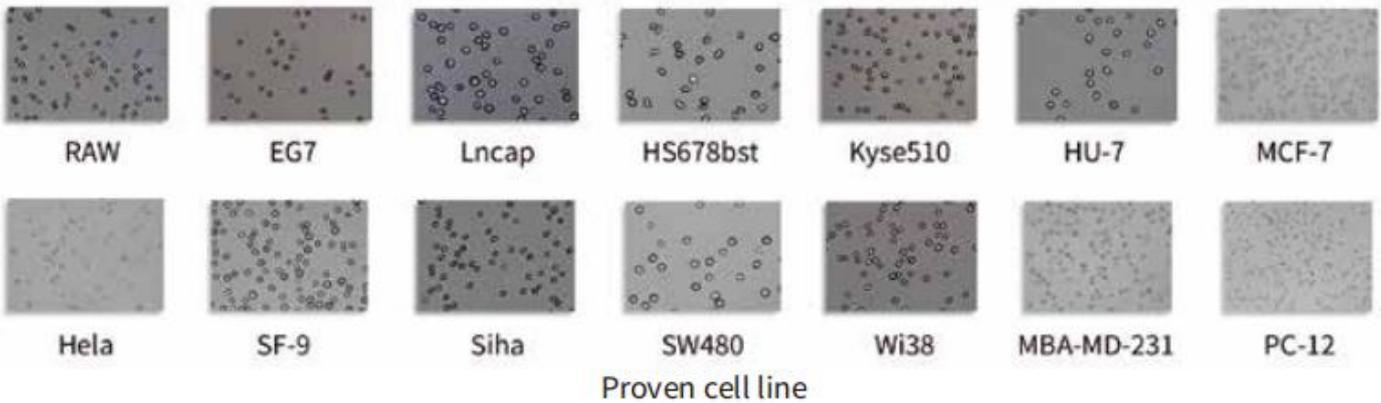
### Reliability

#### Technology guarantees the stable and reliable results

- ◆ Five megapixels industrial grade CMOS is used to capture images;
- ◆ Indicator indicates the sample area which ensure the stability of data;
- ◆ Optimized optical path improves imaging quality and narrows size.



Distinguish dead and living cells by trypan blue



### User experience

#### Humanized software and analysis system

- ◆ Detection for cell concentration, viability, diameter, roundness...
- ◆ User classification management: actions is recorded according to different management authority to ensure data confidentiality and objectivity;
- ◆ Various data export formats including PDF, EXCEL, JPG.