

Somatic Cell Count Tester

Guarding the health of cows
Monitoring the quality of milk



SCCT

Web: <https://somaticcellcounttester.com/>
E-mail: info@somaticcellcounttester.com

Overview

The somatic cell cout tester is based on the principle of nuclear fluorescence staining, which automati- cally and precisely counts somatic cells in raw milk. It is widely used in dairy farms, dairy plants, and re- search institutions for the detection of raw milk quality and the diagnosis of bovine mastitis. The tester is used with disposable cell counting slides and fluorescent dyes, offering simple operation, rapid testing, accurate results, and high cost-effectiveness.



APPLICATION

Milk Quality Test

Diagnosis of Bovine Mastitis

USER



Cow Farm



Dairy Factory



Research Institution

Application



Milk Quality Control

Milk with a high somatic cellcount means lower milk quality. SCCT offers precise somatic cell count testing, which helps you under- stand and improve the quality of milk, leadingto higheryieldsand benefits.



Cow Herd Mastitis Monitoring

A high number of somatic cells in the milk indicates mastitis cases. Monthly monitoring of individualcowsomatic cell counts helps to detect sick cows early, thereby allowing for early isolation and treatment measures, reducing treatment costs, and preventing the spread of mastitis.



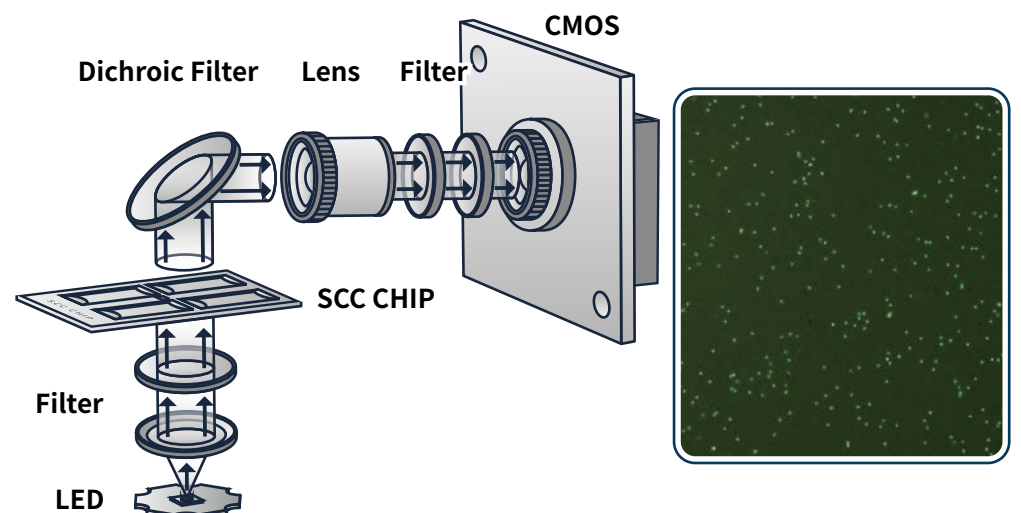
Research Institution

The recovery effect of mastitis is assessed by regularly monitoring somatic cell counts. Precise control of the udderhealth of cows can reduce the blind use of antibiotics and enhance the safety level of milk. For cows with persistently high somatic cell counts, timely culling should be carried out to reduce losses.

Technology

● Fluorescence Imaging Counting

Equivalent to the gold standard of direct microscopy. No dilution required, rapid staining, clear imaging, storage and transportation at room temperature, results are intuitive.

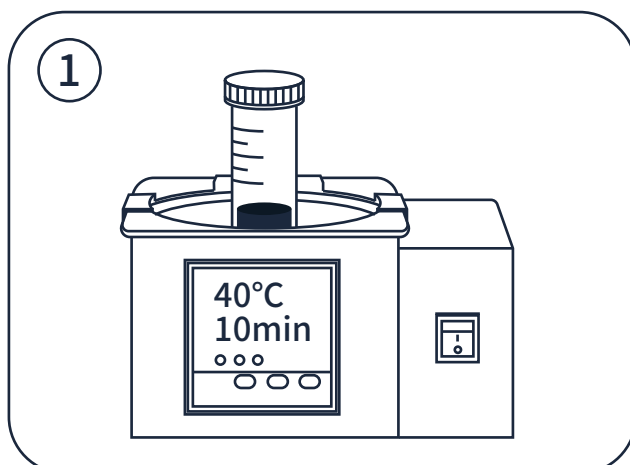


● Accurate Results

1. Correlation with other somatic cell count tester > 0.98
2. Repeatability: CV < 7% @ 200k/ml; CV < 5% @ 500k/ml



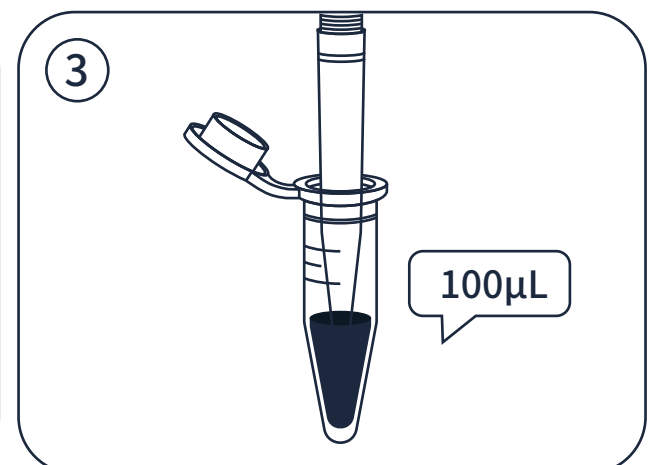
● Easy to Use



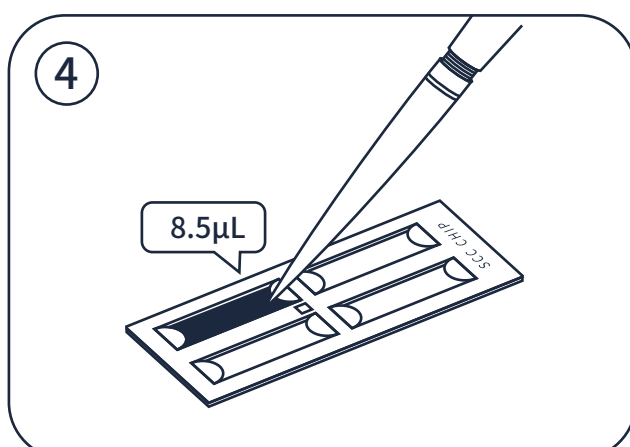
40°C water bath, 10min.



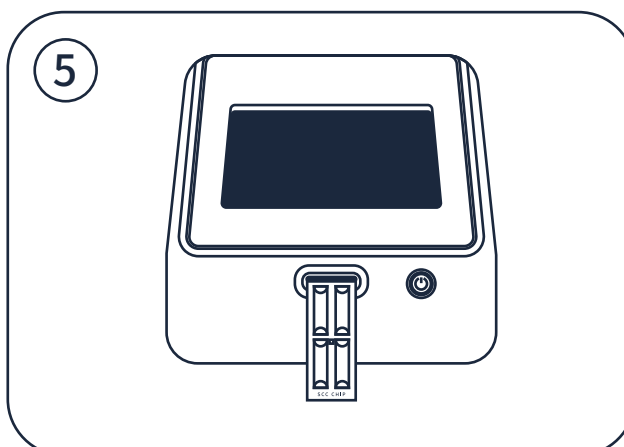
Mix upside down.



Staining.



Sample injection.

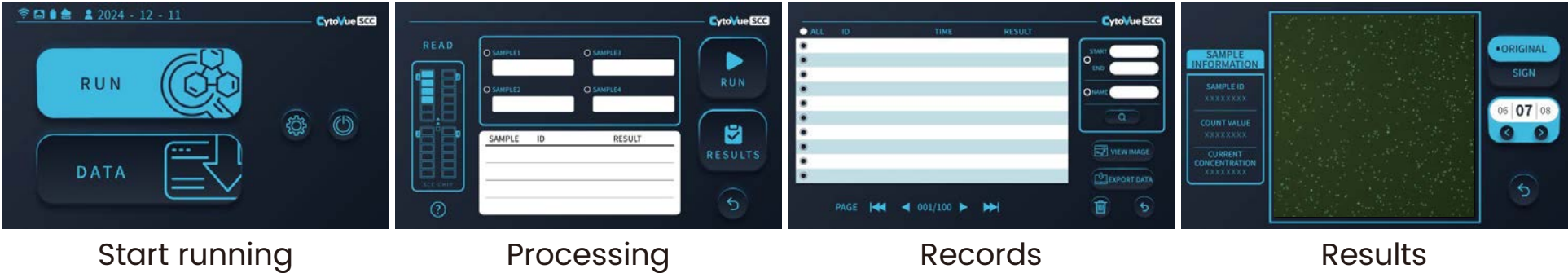


Running on the machine.



Results.

● Exquisite design



Parameter

Size	230*215*245mm
Weight	2.7kg
Display	7-inch touch screen
Range	0~ 5000K/ml
Sampling Volume	100μl
Measure Volume	4.5μl/Test
Repeatability	5% at 500K/ml, 7% at 200k/ml
Power	AC100-240V,50/60Hz, DC 12V-3.0A
Interface	WIFI, RJ45, USB
Data Storage	1000 data local storage, convenient export
Accuracy	Satisfy the requirements of ISO 13366-1:1997: Milk-Enumeration of somatic cells-Part I: Microscopic method

