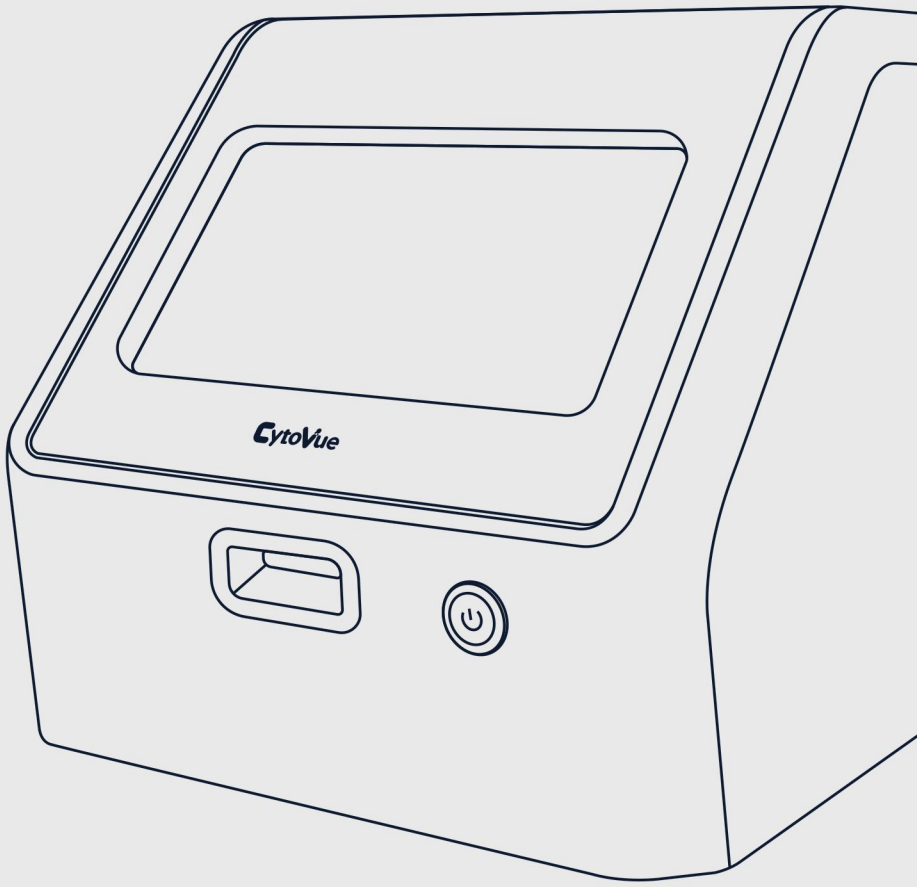
CytoVue SCC

Somatic Cell Counter

GUARDING THE HEALTH OF COWS

MONITORING THE QUALITY OF MILK



Tianjin Wisebiotec Co., Ltd

CytoVue SCC

INTRODUCTION

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

APPLIC-ATION	Milk Quality Test	Diagnosis of Bovine Mastitis	
USER	Cow Farm	Dairy Factory	Research Institution



01 DESKTOP SOMATIC CELL COUNTER

Desktop somatic cell counters serve as the gold standard for laboratory quality control. Engineered for high throughput and precision, they deliver results with exceptional repeatability and authority, directly supporting production quality assessments, authoritative reporting, and trade settlements. These instruments are the core equipment for dairy enterprises, testing institutions, and large-scale farms conducting daily, batch-based precision analysis of extensive sample volumes.

Use Cases
In the laboratory

Range
$0\sim5\times10^{6}$cells/mL

Testing Time
90s/4tests

Rechargeable battery
/

Display
7-inch touch screen

Printer
Thermal Printer

Size
245×230×210mm

Weight
3kg

Repeatability
CV<5%at 500k cells/mL sample

Accuracy
Satisfy the requirements of ISO 13366-1:1997: Milk-Enumer ationofsomati ccells-Part1:Microscopic method

Sample Size
8.5 µL per channel * 4 channels







02 PORTABLE SOMATIC CELL COUNTER

The portable somatic cell counter serves as your on-site health expert at the farm. Lightweight and easy to use, it enables rapid screening anytime in the milking parlor or barnside, helping you promptly identify udder health issues and make precise decisions. With robust battery life, a 4-hour charge supports up to 290 consecutive tests, meeting the demands of intensive, round-the-clock use while delivering stable and durable performance.

Use Cases On-site Testing	**Range** $0\sim5\times10^{6}$cells/mL	**Testing Time** 90s/4tests
Rechargeable battery 18650×4	**Display** 4.3-inch touch screen	**Printer** /
Size 243×135×200mm	**Weight** 3kg	**Repeatability** CV<5%at 500k cells/mL sample
Accuracy Satisfy the requirements of ISO 13366-1:1997: Milk-Enumer ationofsomati ccells-Part1:Microscopic method		**Sample Size** 8.5 μL per channel * 4 channels







03 APPLICATION

WIDELY USED AND PROFESSIONAL

Milk Quality Control

Milk with a high somatic cell count means lower milk quality. Cytovue SCC offers precise somatic cell count testing, which helps you understand and improve the quality of milk, leading to higher yields and benefits。





Cow Herd Mastitis Monitoring

A high number of somatic cells in the milk indicates mastitis cases.Monthly monitoring of individual cow somatic 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.

Rehabilitation Assessment

The recovery effect of mastitis is assessed by regularly monitoring somatic cell counts. Precise control of the udder health 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.

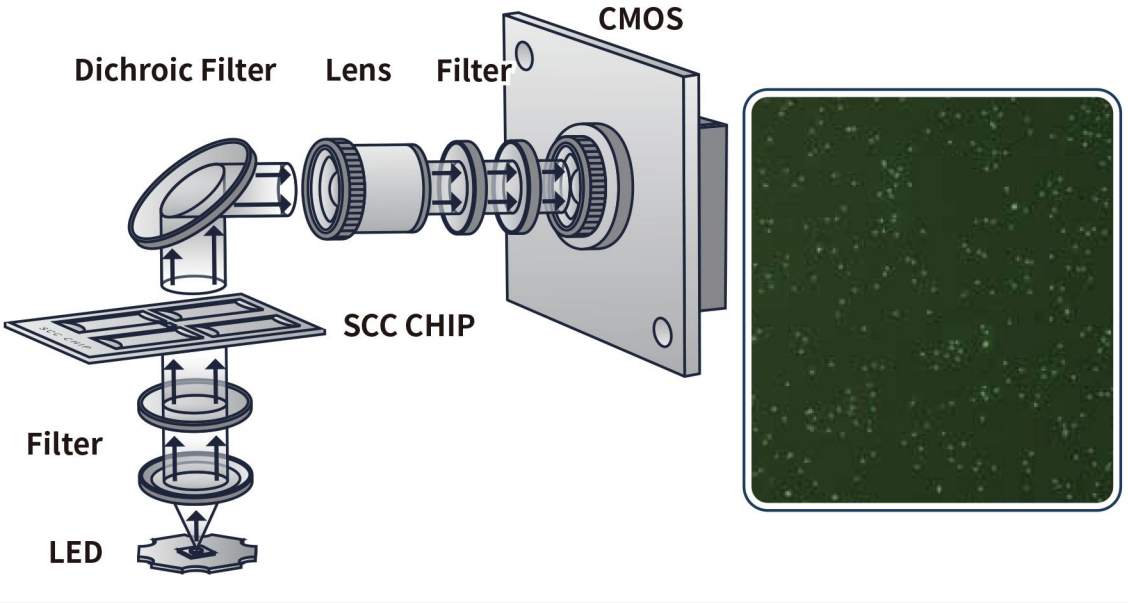


04 TECHNOLOGY

INDEPENDENT RESEARCH AND DEVELOPMENT

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.



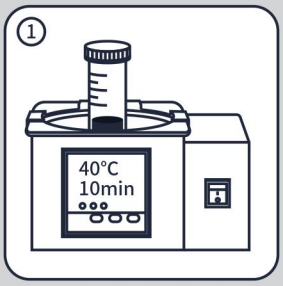
Accurate Results

- ✦ Correlation with BentelyFCM>0.98
- ✦ Repeatability：CV<7% @ 200k/ml;
  CV<5% @ 500k/ml



Easy to Use

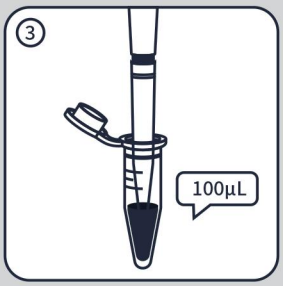
No need to dilute the sample,complete the detection of 4 samples in 3 minutes.



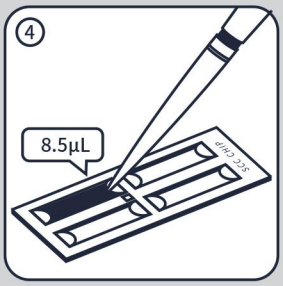
STEP1
40°C water bath,
10min.



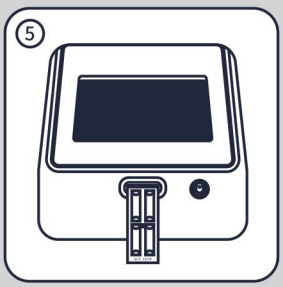
STEP2
Mix upside down.



STEP3
Staining.



STEP4
Sample injection.



STEP5
Running on the machine.

Exquisite design

Easy to carry, with a clean and user-friendly interface, it can quickly yield results, and offers convenient data management.









Order Info:

Product Categories	Product Name	Catalog Number	Specifications
Instrument	Desktop Somatic Cell Counter	CytoVue SCC 100	1 unit
	Portable Somatic Cell Counter	CytoVue SCC 200	1unit (without battery)
Consumables	Cell Counting Slide	SCC CHIP 4	96PCS/BOX(384tests)
	Cell Dyes	CytoG Dyes	96PCS/bag*4bags

Company Profile:

Tianjin Wisebiotec Co., Ltd. was established in 2020 as a national high-tech enterprise,specializing in the development, production, and sales of innovativeproducts for life science.. We currently offers three core product lines: The Somatic Cell Counter (CytoVue Series) is used for dairy quality assessment and detection of mastitis in cows;The QuickArray Chip-based Fluorescence PCR Multiplex Nucleic Acid Detection System,is used for rapid detection of infectious diseases , combating meat adulteration;The AcuDri100 Automated Digital Dispenser, based on microfluidic diaphragm pump technology, achieving precise dispensing from nanoliter to microliter volumes for high throughput applications in biopharmaceuticals,research laboratories

HOMEPAGE

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