

# BSCC- i3212A

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## Somatic Cell Counter



EPCC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

**Analytical Technologies Limited**

An ISO 9001 Certified Company

[www.analyticalgroup.net](http://www.analyticalgroup.net)

The 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.

### **APPLICATION :**

Milk Quality Test , Diagnosis of Bovine Mastitis

### **USER:**

Cow Farm , Dairy Factory , Research Institution

### **Milk Quality Control**

Milk with a high somatic cell count means lower milk quality. 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.

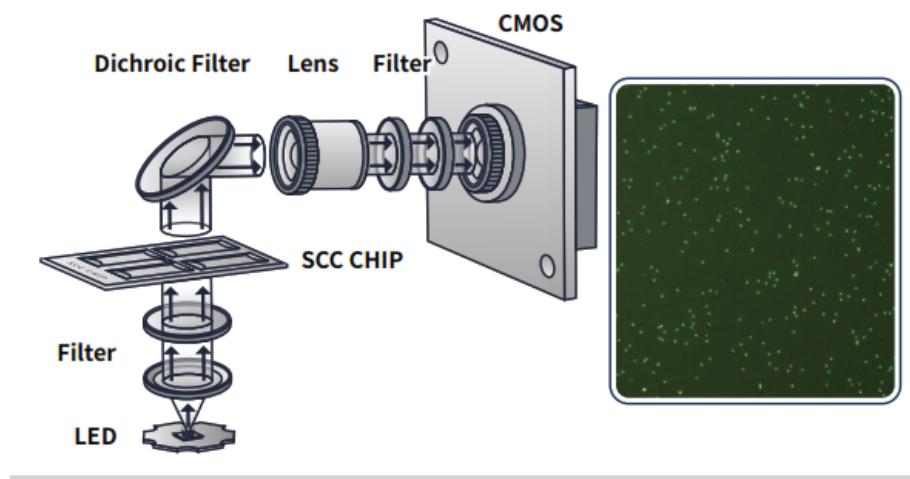


## Technology :

### 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.



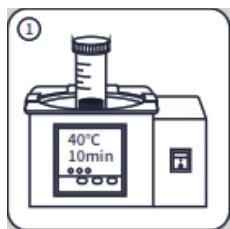
- **Accurate Results:**

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



## Easy to Use:

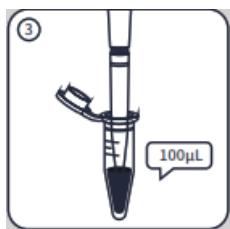
No need to dilute the sample, complete the detection of 4 samples in 3 minutes.



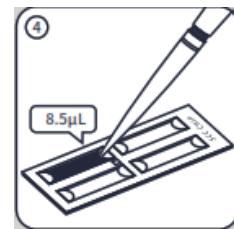
STEP1  
40°C water bath,  
10min.



STEP2  
Mix upside down.



STEP3  
Staining.



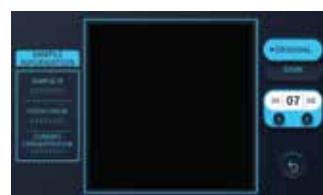
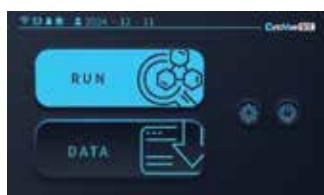
STEP4  
Sample injection.



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.



## Cost- Parameters Effective:

The ability to monitor individual cow, cow quarter and bulk milk tank SCC gives you the ability to confidently make decisions that impact the overall profitability of your farm. A small investment leads to a reduction in the incidence of mastitis, healthier cows, and higher yields



## Technical Parameters:

Size	230X215X245mm
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
Accuracy	Satisfy the requirements of ISO 13366-1:1997: Milk-Enumeration of somatic cells-Part1: Microscopic method
Power	AC100-240V, 50/60Hz, DC 12V-3.0A
Interface	WIFI, RJ45, USB
Data Storage	1000 data local storage, convenient export

## HPLC Servicing, Validation, Trainings and Preventive Maintenance :

**HPLC Servicing** :HPLC Servicing : We have team of service engineers who can attend to any make of HPLC promptly @the most affordable cost.

**Trainings** :We also take up preventive Maintenance to reduce downtime of HPLC's Trainings.

**AMC's/CMC** :AMC's/CMC :We offer user training both in-House and at customer sites on HPLC principles, operations, trouble-shooting.

**Validations** :Validations :We have protocols for carrying out periodic Validations as per GLP/GMP/USFDA norms.

**Instruments** :Instruments/Renting Services Modules like pumps,detector etc. on Rent.



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LCMS



Automated Prep-Flash Chromatography system



Maldi TOF



Optima Gas Chromatograph



Flash Chromatograph



DAC Column



GCMS 3068



UHPLC



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Ion Chromatograph



Production HPLC



HPLC



Column



DLS



Water purification system

## ►► Regulatory compliances



## ►► Corporate Social Responsibility

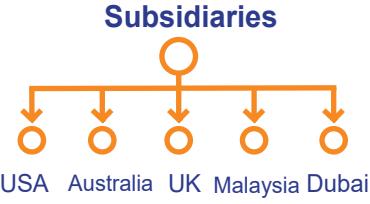


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HPLC Solutions

MultipleLabs

Infinite MultipleLabs LLP

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Analytical Foundation (Trust)

**Corporate & Regd. Office:**  
Analytical House, # E67 & E68,  
Ravi Park, Vasna Road, Baroda,  
Gujarat 390 015. INDIA

T: +91 265 2253620  
+91 265 2252839  
+91 265 2252370  
F: +91 265 2254395

E: [info@analyticalgroup.net](mailto:info@analyticalgroup.net)  
[info@hplctechnologies.com](mailto:info@hplctechnologies.com)  
[info@multiplelabs.com](mailto:info@multiplelabs.com)

W: [www.analyticalgroup.net](http://www.analyticalgroup.net)  
[www.hplctechnologies.com](http://www.hplctechnologies.com)  
[www.multiplelabs.com](http://www.multiplelabs.com)

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