

# BSCC- i3212A

---

## 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:

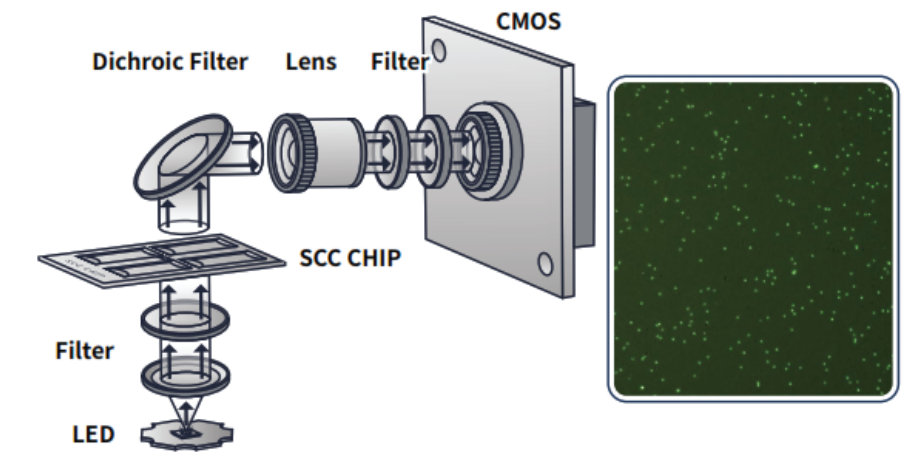
The recovery effect of mastitis is assessed by regularly monitoring somatic cell counts. Precise control of the udder health of cows can reduce the blind use of antibiotics and enhance the safety level of milk. For cows with persistently high somatic cell counts, timely culling should be carried out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



## Technology : Independent Research And Development:

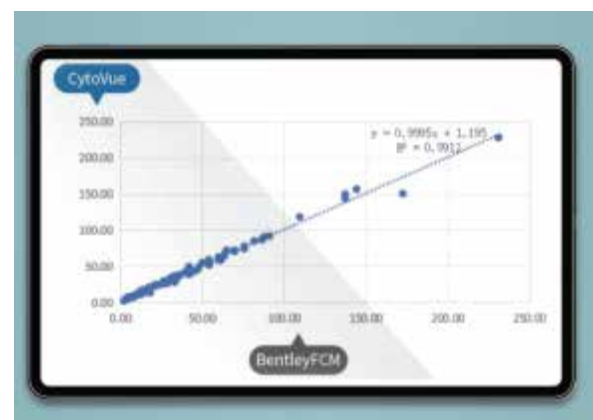
### • Fluorescence Imaging Counting:

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 BentleyFCM > 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.



## 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-Part 1: 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 :We offer instruments/Renting Services Modules like pumps,detector etc. on Rent.



## About Analytical Technologies

Analytical Technologies is synonymous for offering technologies for doing analysis and is the Fastest Growing Global Brand having presence in at least 96 countries across the global. Analytical Technologies Limited is an ISO:9001 Certified Company engaged in Designing, Manufacturing, Marketing & providing Services for the Analytical, Chromatography, Spectroscopy, Bio Technology, Bio Medical, Clinical Diagnostics, Material Science & General Laboratory Instrumentation. Analytical Technologies, India has across the Country operations with at least 4 Regional Offices, 6 Branch Offices & Service Centers. Distributors & Channel partners worldwide.

## Our Products & Technologies



LCMS



Automated Prep-Flash  
Chromatography system



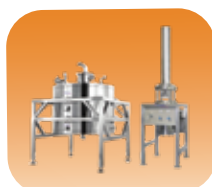
Maldi TOF



Optima Gas  
Chromatograph



Flash  
Chromatograph



DAC  
Column



GCMS  
3068



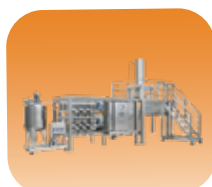
UHPLC



HPTLC



Ion Chromatograph



Production  
HPLC



HPLC



Column



DLS



Water purification  
system



## ▶▶▶ Regulatory compliances



## ▶▶▶ Corporate Social Responsibility

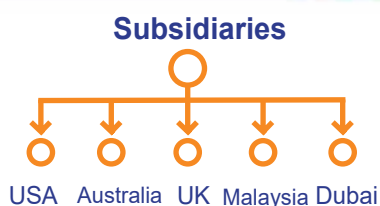
ANALYTICAL FOUNDATION is a Nonprofit Organization (NGO) for the purpose of:

1. Research & Innovation **Scientist's awards & International Conference visit sponsorship / QC Professional Awards:** Quality life is possible by innovation only and the innovation is possible by research only, hence **ANALYTICAL FOUNDATION** is committed to identify such personalities for their contributions across various field of Science and Technology and awarding them yearly. To participate for award, send us your details of research /testing/ publication at [info@analyticalfoundation.org](mailto:info@analyticalfoundation.org)
  2. Improving quality of life by offering **YOGA Training courses, Work shops / Seminars** etc.
  3. **ANALYTICAL FOUNDATION** aims to DETOXIFY human minds, souls and body by means of Yoga, Meditation, Ayurveda, Naturecure, Health Care, Ara, Events, Camps etc.
- ▶▶ A portion of profit of **ANALYTICAL GROUP** Company's goes into **ANALYTICAL FOUNDATION** for the aboce noble cause.



# Analytical Foundation

## ▶▶▶ Reach us @



Note : Company reserves rights to add/delete/modify the contents / technical specifications of the catalogue without prior notice

HPLC Solutions

MultipleLabs

Infinite Multiplelabs LLP

Analytical Bio-Med

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)

Sales & Support Offices:  
across the country :  
Distributors & Channel  
partners World Wide  
USA| UK| Australia| Dubai| Malaysia