

BSCC- 3212

Somatic Cell Counter with Milk Analyzer



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

Analytical Technologies Limited

An ISO 9001 Certified Company

www.analyticalgroup.net

Easy, fast, and accurate somatic cell counting in raw cow and buffalo milk and milkanalyzer in one device.

The BSCC- 3212 is a next-generation counter with an integrated milk analyzer that includes a new, advanced form of the somatic cell count test, giving a more detailed picture of the actual inflammatory status of the mammary gland. Somatic cells appear in large numbers to eliminate infections and repair tissue damage caused by bacteria. Thus, cell counting helps to indicate the presence of mastitis in dairy cattle. The milk analyzer measurement of nine milk parameters. Precise analysis of the components can be done for 60sec./40sec./30sec.

Features:

- Extremely user-friendly—no training required.
- Fully automated and precise counting of somatic cells in stained milk samples.
- Provides reliable information for detecting subclinical and clinical mastitis.
- Eliminates the subjectivity associated with traditional microscopic methods.
- Equipped with a top-tier direct fluorescent microscope.
- Color-coded results in compliance with local regulations.
- Low analysis cost per test.
- Capability to print results directly.
- Energy-efficient with low power consumption.
- Ergonomic and compact design.
- Ultrasonic milkanalyzer for measurement of nine milk parameter .

Measuring Ranges Accuracy:

Fat	0% - 35% option to 45%	±0.06%
Solids-Non-Fat (SNF)	3% - 40%*	±0.15%
Density	1000 – 1160 kg/m3*	±0.3 kg/m3
Protein	2% - 15%*	±0.15%
Lactose	0.01% - 20%*	±0.2%
Freezing Point	-0.4°C to -0.7°C	±0.005°C



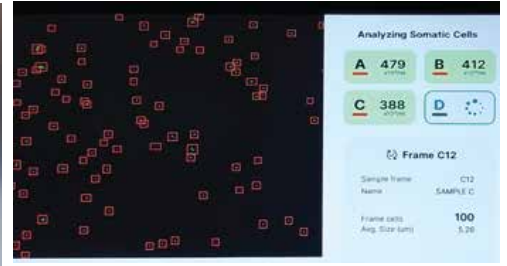
How does BSCC- 3212 work?



1. Prepare the Sample
Stain the milk sample
and eject into the chip

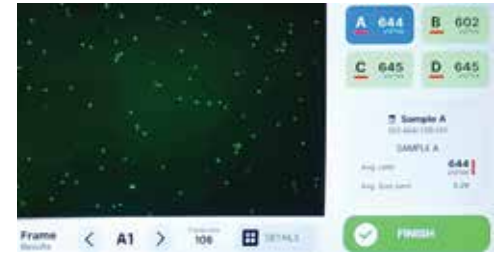


2. Insert the chip
Place it in testing chamber



3. Automatic Analysis

The device performs the analysis and eliminates subjective human error

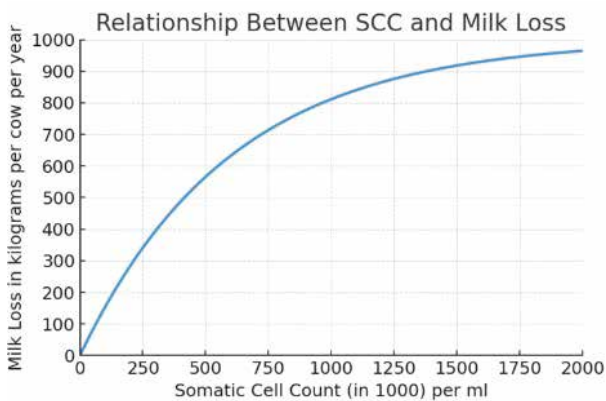


4. Get Results

Receive accurate results with color-coded indicators aligned with local regulations

Protect Your Milk Yield & Herd Health:

Every increase in somatic cell count (SCC) indicates an infection and leads to significant milk yield losses per cow. Regular SCC monitoring helps detect infections early, improving milk quality, herd health, and profitability. With our BSCC- 3212 you get fast, reliable results to protect your efficiency and earnings.



Power adapter 12V/3A



Power supply



Mixer with power adapter



Automatic pipette- 550µl



Automatic pipette- 10100µl

TECHNICAL DETAILS :

Device	Automated Somatic Cell Counter
Purpose	Device for automatic measurement of the number of somatic cells in raw milk with state-of-the-art technology
Application	Number and size of somatic cells
Method	Similar standard method
Working principle	Fluorescence microscopy
Coloring	Fluorescent paint
Calibration	No
Required sample volume	100 μ l
Measurement volume	8 μ l
Dilution of the sample	No
Captured images	12
Productivity	up to 130 samples/hour
Measuring range	from 10×10^3 to 10×10^6 /ml
Image processing	Fluorescence image recognition
Subjective evaluation	No
Repeatability	100 000 cell/ml CV(%)-3% ; 400 000 cell/ml CV(%)-2% ; 1 000 000 cell/ml CV(%)-1%
Additional accessories	Somaticchip eppendorf with lysing reagent and fluorescent dye
Size (HxWxD) in mm	332x280x260
Weight	6,900
External voltage	100-230 VAC
Operating voltage	100-230 VAC, 2.5A, 12V
Frequency	50/60 Hz
Temperature	15 – 35 C
Humidity	0 – 95 %

Starter KIT : contains supplies needed to make 100tests.

Somaticchip x 4 - 25 test

Lyophilized dye - 100 pcs

Pipette tips - 200 pcs

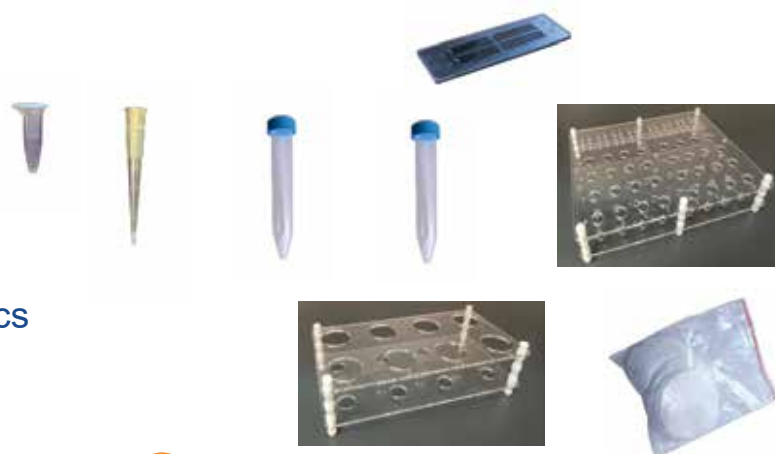
Container 50 ml. - 4 pcs

Container 14 ml. - 2 pcs

Stand for eppendorf and tips - 1pcs

Stand for containers - 1 pcs

Air filter - 15 pcs



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



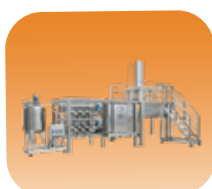
UHPLC



HPTLC



Ion Chromatograph



Production HPLC



HPLC



Column



DLS



Water purification system

▶▶▶ Regulatory compliances



▶▶▶ Corporate Social Responsibility

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Analytical Foundation

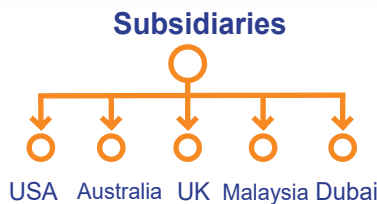
1. Research & Innovation **Scientist's awards & International Conference visit sponsorship / QC Professional Awards:** Quality life is possible by innovation only and the innovation is possible by research only, hence **ANALYTICAL FOUNDATION** is committed to identify such personalities for their contributions 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

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.

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