

BSCC - 3212

Bacteria and Somatic Cell Count



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

Analytical Technologies Limited

An ISO 9001 Certified Company

www.analyticalgroup.net

▶▶ **Product Introduction**

BSCC 3212 provides rapid hygiene testing of milk BSCC 3212 is the first-ever integrated bacteria and somatic cell tester and offers full automation for minimal reagent handling and consistent test results

▶▶ **Integrated bacteria and somatic cell tester**

Automatic and fast a ternative to manua assay, providing instant, simultaneous results for individual bacteria and somatic cell count within 9.5 minutes and 1.5 minutes for somatic cell count alone

▶▶ **More accurate than alternative methods**

A fully automated procedure avoids the risk of human error and inconsistency, while ready-to-use reagents in an enclosed bag system, ensure the exact same dosage for every measurement A sensor in the reagent bag indicates the number of available tests remaining. The unique reagent concept includes control samp es for quality assurance and GLP Online remote monitoring ensures consistent performance and high uptime

▶▶ **Simple and Flexible to use**

Built on a long heritage of analytical technology and backed by global support, BSCC 3212 combines robust performance with a modern interface. Very easy-to-use with intuitive touch-screen operation for smarter money-saving decisions on how to use milk

▶▶ **Sample types**

Raw cow's milk and buffalo milk

▶▶ **Parameters**

Individual Bacteria Count (IBC)

Somatic Cell Count (SCC)

▶▶ **Technology**

Flow cytometry technology, counting individual bacteria cells and somatic cells The IBC results can be converted to CFU results. BSCC 3212 software includes an easy and rapid tool to develop a robust conversion table between IBC and CFU

►► Approvals

EURUMicrova

FDA/NCIMS

In compliance with ISO/IDF standards

►► Specifications

Feature	Specification
Analysis time	9.5 minutes for IBC, 1.5 minutes for SCC
Analysis capacity	SCC and IBC: 15 sample/hour IBC only: 15 sample/hour SCC only: 40 sample/hour
Sample intake	IBC & SCC: 7.2 ml IBC: 6.4 ml SCC: 2.5 ml
Sample temperature	2 – 42 °C (35.6-107.6 F) (preserved) 2 – 4 degrees °C (non-preserved)
Sample Quality	Raw milk of normal composition and good quality. Unpreserved or preserved with azidol
Carry-over effect	<1 % relative, usually <0.5% (uncompensated) IBC and SCC
Working Factor	IBC: 100 and SCC: 100
Measuring Range	IBC: 5000-20 mill IBC/ml (approx. 1,500 to 10 mil CFU/ml) SCC: 0-10 mil. Cells/ml
Performance Range	IBC: 10,000 – 10 mill. IBC/ml SCC: 1000,000 – 1.5 mill. Cells/ml
Accuracy	IBC: Typical Sy, x < 0.25 log units from SPC (standard plate count) SCC: < 10 % relative mean difference form Direct Microscopic SCC
Reference or anchor method	Standards Plate Count (SPC) EN – ISO 4833 – 1 : 2013
Dimension (W x H x D)	400 x 400 x 400 mm
Weight	25 kg
Space requirements (W x D)	Approx. 600 x 630 mm
Power Supply	110 – 240 V AC, 50/60 Hz
Power Consumption	Max 190 VA
Water supply for preparation	Purified water(<5 µS/cm ³) The instruments does not require a direct connection to water tap but for chemical preparation ultra pure (de-mineralized water must be available)
Waste	Max 1
Ambient temperature	Ambient temperature 5 – 35 °C (41 – 95 °F)
Relative humidity	<93 % RH
Instrument management	

Repeatability		
Range (IBC/ μ l)	S _r (log – units)	Typical S _r (log – units)
10 – 50	0.07	0.06
51 – 200	0.05	0.04
>200	0.04	0.02
Entire Range	0.05	
Reproducibility (between instruments)		
Range (IBC/ μ l)	S _R (log – units)	Typical S _R (log – units)
10 – 50	0.11	0.08
51 – 200	0.07	0.06
>200	0.06	0.04

Repeatability	
Range (SCC/ μ l)	CV, %
100 – 299	6
300 – 499	4
>500	3
Reproducibility	
Range (SCC/ μ l)	S _R , %
100 – 299	7
300 – 499	5
>500	4



ID	Time	IBC	SCC
492	13:32		5461
496	13:38	6.70	87.1
495	13:07	8.20	91.0
493	13:05	11.9	85.6
491	13:01	1875	91.9
	12:40		



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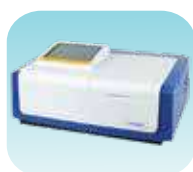
Instruments :Instruments :We offer instruments/Renting Services Modules like pumps,detector etc. on Rent.



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Spectrophotometer



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Micro Plate
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