

Fossomatic™ Minor

Technical Specifications

Performance Data

Components:	Somatic cells
Analysis capacity:	Typically 50 samples/hour*
Working factor:	325
Measuring range:	Up to 5.000.000 cells/ml
Performance range:	100.000 – 2.000.000 cells/ml
Sample volume:	1 ml
Sample temperature:	30 - 42°C
Sample type:	Milk from cow, sheep, goat or buffalo
Repeatability**:	$C_v < 7\%$ at 100.000 cells/ml $C_v < 5\%$ at 300.000 cells/ml $C_v < 4\%$ at 500.000 cells/ml
Accuracy:	$< 10\%$ relative mean diff. from Direct Microscopic Somatic Cell Count (DMSCC***)
Carry-over:	$< 1.0\%$

* Capacity is reduced if samples containing >1.5 million SCC / ml are measured

** CV = Coefficient of variation

*** Where this method can be applied. Where DMSCC is not applied, accuracy is $< 10\%$ vs. other Fossomatic™ instruments.

Analyser Data

Unit dimensions (H x W x D)	40 x 27 x 52 cm (excl. PC)
Weight, operating	21 kg
Power supply:	100 – 240 VAC, 50 or 60 Hz. 24 VDC
Installation category	II
Power consumption:	Max. 30 VA
Ambient temperature:	15 – 35°C
Ambient humidity:	< 90% RH
Degree of protection:	IP 22
Pollution degree:	2
Noise level:	< 70 db (A)

Standards and Approvals

Fossomatic Minor is CE labelled and complies with the following directives:

- EMC (Electromagnetic Compatibility) Directive 89/336/EEC and amendments
 - Emission EN 61000-6-3
 - Immunity EN 61000-6-1
- LVD (Low Voltage Directive) 73/23/EEC and amendments
 - Electrical safety EN 61010-1
- MD (Machine Directive) 98/37/EC and amendments
- Classification, packaging and labelling of dangerous preparations Directive 99/45/EC and amendments

Dedicated Analytical Solutions

P/N No. 1025696
Issue No. 1GB
June 2004

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