

3M[™] Microbial Luminescence System (MLS II)

The 3MTM MLS II is a microwellplate luminometer designed for microbial Adenosine-Tri-Phosphate (ATP) detection in UHT/ESL milk products.

Benefits:

- Allows immediate corrective action
- Simple and easy to use
- Provides real-time results
- Demonstrates due diligence
- Can help reducing quarantine stocks
- Can save time and money
- Increase cash flow



Key Features:

- Fully automated, easy to use, push button system
- · Powerful, user-friendly data trending software
- Automatic generation of summary and detailed reports
- Internal and external verification checks ensure accurate and precise readings
- Accurate and accessible reagent injection system
- State of the art microwell-plate based platform
- Recovery of unused reagents

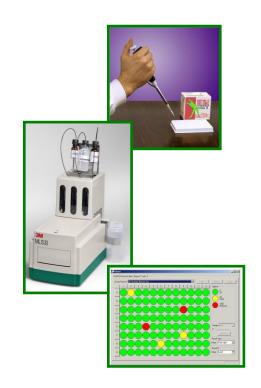
Instructions

- Pre-incubate sample for a minimum of 48hrs
- Pipette the sample into the microwell-plate
- Place microwell-plate with samples in the MLSII
- Start the assay

Results

Status is displayed in a highly visual colour coded format

- Green (Pass)
- Yellow (Caution)
- Red (Fail)





3M[™] Microbial Luminescence System (MLS II)

General Technical data:

Dimensions 203 x 408 x 360 mm (with pump)

Weight 10,9 kg

Noise 67 dB with distance 1m

PC Requirement Microsoft Windows XP, Pentium Processor or similar (500 MHz or higher),

CD-ROM drive, Serial port, USB 2.0

Power requirements:

Power Supply Voltage 100-240 VAC

Frequency: 50-60 Hz

Power consumption: 30 W (peak 100 W)

Voltage: 24 VDC Current: 1A (peak 3 A)

Modules:

Injectors Up to 3 syringe pumps in measuring position, 10-300 µl in 1µl increments

Shaker Linear, orbital and double orbital: speed programmable

Waste Pump Built in, software driven pump with priming function

Detection Unit:

Detector Low noise PMT in photon counting mode

Plates 96 well opaque microwell plates and strip plates, optional 384 microwell

plates (software selectable)

Performance / Detection Limit:

Crosstalk < 2 x 10⁻⁵

Sensitivity < 0,3 attornol of Aequorin (amol=10⁻¹⁸ mol)

Packaging:

Cardboard box dimensions 570 x 515 x 310 mm

Weight 12,9 kg

Ordering information: 3M™ MLS II (including Biotrack® MLS) **MLSII** 3M™ MLS Dairy Screen Kit (3000 tests) DPQCOG3000 3M™ MLS Mini Dairy Screen Kit (600 tests) **BDKTS** 3M™ MLS Microwell Plate (50) MLS 3007 ATP10MLS ATP Standard MLS 3M™ MLS Weekly Cleaning Kit **BMLSCK** 3M™ MLS Injector Cleaning Kit (daily use) MLS 3005 MLS2, Maintenance Kit MLS 3006