

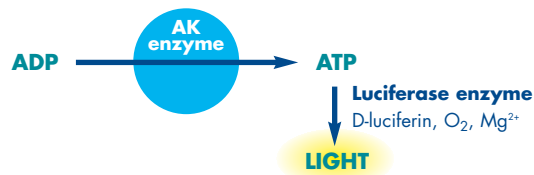
## AKuScreen™ Beauty & Home

AKuScreen harnesses two powerful enzyme-catalyzed reactions to more rapidly detect microbial contamination

AKuScreen, the next generation in bioluminescence technology, leverages two enzyme-catalyzed reactions to significantly reduce the time to result. AKuScreen is able to provide reliable results in 18 - 24 hours, a full 25 - 50% faster than the already rapid ATP Bioluminescence assay.

AKuScreen is intended as a rapid microbial screen for finished goods, in-process samples, and raw materials tested according to the USP Microbial Limits Test <61> or an equivalent method. A rapid screen of these products quickly identifies the few that carry bioburden allowing for rapid and efficient release of the majority of production.

AKuScreen uses the standard ATP bioluminescence assay but precedes this reaction with an adenylate kinase (AK) catalyzed reaction. This preliminary reaction utilizes the presence of microbial adenylate kinase to generate adenosine triphosphate which is then further catalyzed into light by the standard ATP bioluminescence reaction.



AKuScreen is a commonly used method for the rapid microbial screening of consumer products and is applicable to a wide range of sample types.

Improving quality, reducing risk



# AKuScreen™ Beauty & Home



### AKuScreen Beauty & Home

Order number AS1310  
 Assays per kit 800  
 Configuration 8 x 100 assays

### AKuScreen Beauty & Home kits

#### include these reagents

Celsis LuminAMP – purified ADP  
 Celsis LuminEX™ – microbial extractant  
 Celsis LuminATE™ - lyophilized luciferase enzyme  
 Celsis LuminATE™ buffer - reconstitution buffer

AKuScreen is the most advanced technology in the field of rapid methods for industrial microbiology. Adenylate Kinase assay technology is exclusively licensed to Celsis by the British Defence Science and Technology Laboratory (Dstl). The use of a two stage, combination reaction generates results on a wide range of products in 18 - 24 hours; faster and more reliably than any other method on the market today.

- Effective on a wide range of sample types including filterable and non-filterable samples
- Validated on a wide range of raw materials, in-process materials and finished goods
- Equal to or better than the compendial method
- High Signal / Noise ratio that delivers more distinctive positive results in cases of low level contamination
- Non-destructive test that allows for further testing
- Single broth used for detection of bacteria, yeast and mold
- Validated on a wide range of microorganisms including gram positives, gram negatives, yeasts and molds
- Protocol options to match testing requirements
- All reagents manufactured by Celsis according to ISO 9001 standards

# Celsis Advance™



### Celsis Advance

Order number 1282118  
 Voltage 115V or 230V

### Instrument dimensions

(w) 19" x (h) 15" x (d) 22.5"  
 (w) 48cm (h) 38cm (d) 57cm  
 Weight - 66lbs / 30kg

The Celsis Advance luminometers are specified to meet the robust requirements of industrial microbiology. They are small in size but big in sample throughput to meet a variety of testing needs.

- Small sized instrument with large sample capacity (up to 164 samples) to suit customer test volume requirements
- Full, walkaway automated system manages volume and timing of reagents improving reproducibility and reducing sample handling
- No onboard incubation reduces instrument capacity requirement
- Versatile programming to accommodate preferred protocols
- Operates using Celsis Advance.im software
  - Dedicated software for industrial microbiology laboratories
  - Simultaneous testing of multiple sample batches or protocols
  - 21 CFR Part 11 compliant
  - Programmable security features
  - Full reporting and export features
  - Validated on Microsoft® Windows® operating systems
- Modular design for optimal efficiency and ease of servicing



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