

# CheckLite™ 250 Plus

kikkoman

Kikkoman Biochemifa Company

## Microbial Biomass Assay Kit



### Kit Features

- CheckLite™ 250 Plus is a microbial biomass assay kit based on the ATP measurement method.
- CheckLite™ contains thermostable firefly luciferase.
- CheckLite™ is characterized by its ease of use and fast performance.
- CheckLite™ can detect 10,000 coliform cells/mL (1,000 cells/assay).

### Kit Composition

- |   |   |
|---|---|
| <input type="checkbox"/> Luciferin-luciferase reagent (lyophilized) | 5 |
| <input type="checkbox"/> Reconstitution Buffer (5.5 ml)             | 5 |
| <input type="checkbox"/> ATP-Releasing Reagent (5.5 mL)             | 5 |

### 250 Assay / Kit

CheckLite™ 250 Plus should be stored at a temperature between 2 and 8 °C in the refrigerator. **DO NOT FREEZE IT.**



### +CheckLite™ ATP Removal Kit

HyServe

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# CheckLite™ HS Set

## High Sensitivity Microbial Biomass Assay Kit



**Luciferin-Luciferase  
ATP Assay Reagent  
Kit for  
Hypersensitive  
Viable Count Assay**

### Kit Features

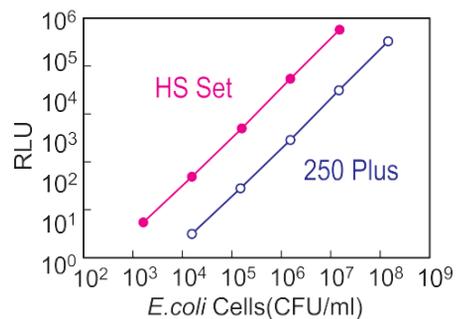
- CheckLite™ HS Set is a microbial biomass assay kit based on the ATP measurement method.
- CheckLite™ contains thermostable firefly luciferase and ATP-scavenging enzymes.
- CheckLite™ is characterized by ease of use, fast performance, and high sensitivity.
- CheckLite™ can detect 1,000 coliform cells/mL (100 cells/assay).

### Kit Composition

- HS luciferin-luciferase reagent (lyophilized)
- Reconstitution Buffer (5.5 ml)
- ATP Scavenging Reagent (Freeze-Dried)
- Reconstitution Buffer (5.5 ml)
- ATP-Releasing Reagent (5.5 mL)

100 Assays/Kit

### Sample Essays Biomass



**The CheckLite™ HS kit should be stored  
at a temperature between 2 and 8 °C in  
the refrigerator. DO NOT FREEZE IT.**

**HyServe**

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**Kit for microbial biomass testing of aseptic products**

# CheckLite™ AT 100

CheckLite AT 100 is a suitable kit for time-saving microbial biomass testing on aseptic products, such as milk, cream, whipped cream, canned coffee, etc.



## Kit Features

- CheckLite® AT100 is a kit for highly sensitive microbial biomass assays based on the ATP measurement method.
- Kikkoman's ATP Removal Reagent and Treatment Reagent allow the centrifugation step, which is often required for conventional ATP methods, to be skipped.
- CheckLite® AT100 significantly reduces time and labor for aseptic testing of products such as milk, cream, whipped cream, canned coffee, etc.

## Kit Composition

- |   |   |
|---|---|
| <input type="checkbox"/> HS luciferin-luciferase reagent (lyophilized)                      | 2 |
| <input type="checkbox"/> Reconstitution Buffer for HS Luciferin-Luciferase Reagent (5.5 mL) | 2 |
| <input type="checkbox"/> ATP Scavenging Reagent (Freeze-Dried)                              | 2 |
| <input type="checkbox"/> Reconstitution buffer for ATP reagent                              | 2 |
| <input type="checkbox"/> ATP-Releasing Reagent  | 2 |
| <input type="checkbox"/> Sample dilution buffer   | 4 |
| <input type="checkbox"/> Sample Treatment Reagent   | 2 |

## 100 Essays/Kit

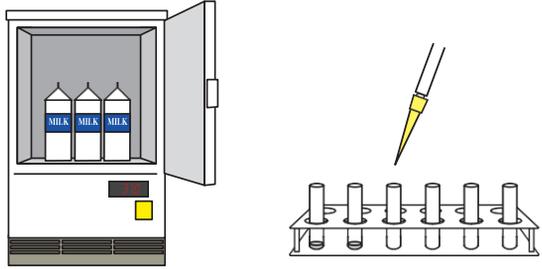
**CheckLite AT 100 should be stored at a temperature between 2 and 8 °C in the refrigerator. DO NOT FREEZE IT.**



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**Procedure**

**1 Sample Preparation**



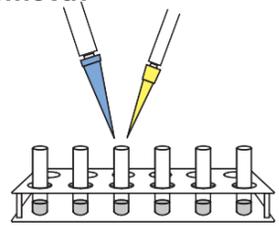
Samples that have been incubated for a certain amount of time for an aseptic test can be used directly or diluted with buffer.

**2 Sample Pretreatment**



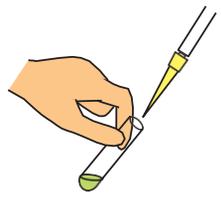
Place the sample treatment reagent in a test tube and mix it with the sample.

**3 Non-microbial ATP removal**



Add the sample dilution buffer and ATP remover solution into the test tube.

**4 Microbial ATP extraction**



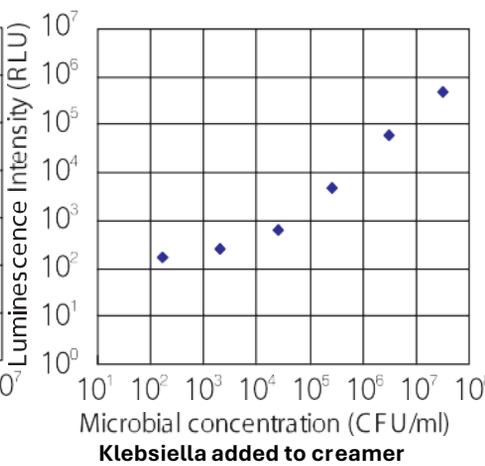
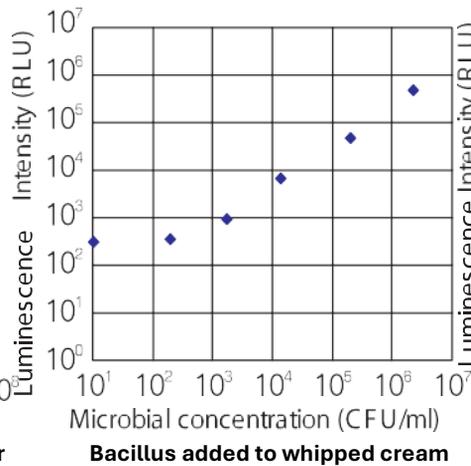
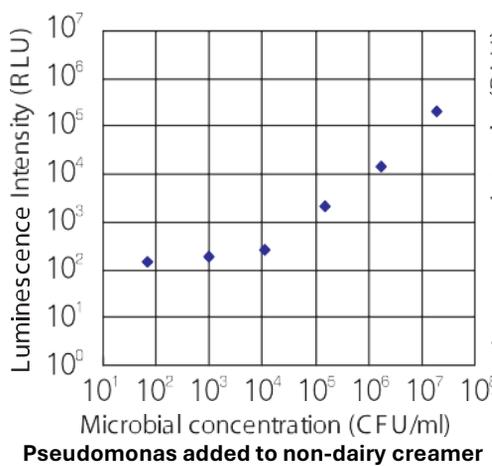
Transfer the aliquot to another test tube and add the ATP-releasing reagent.

**5 Luminescence measurement**



Add the Luciferin-Luciferase HS reagent and measure the luminescence.

**Example**



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