

CheckLite[®] AT 100

CheckLite[®] AT 100 is a kit suitable for the timesaving microbial biomass assays for aseptic products, such as milk, creamer, whipped cream, canned coffee, and so on.



Characteristics of kit

- CheckLite[®] AT100 is a kit for highly sensitive microbial biomass assays based on the ATP measuring method.
- Kikkoman's ATP eliminating reagent and treating reagent enable to omit centrifugation step, which is often required for the conventional ATP methods.
- CheckLite[®] AT100 enables to reduce time and labor considerably for the aseptic tests of products such as milk, creamer, whipped cream, canned coffee, and so on.

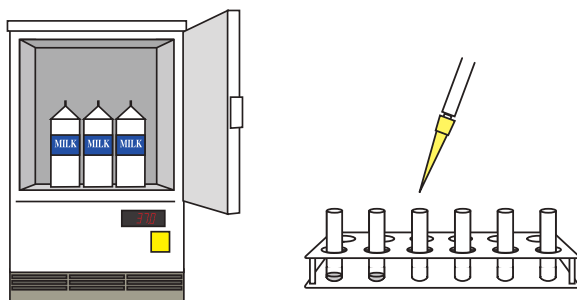
Composition of kit

	(100 assays/kit)
Luciferin-luciferase reagent HS (lyophilized)	2
Reconstitution buffer for luciferin-luciferase reagent HS (5.5 ml)	2
ATP eliminating reagent (lyophilized)	2
Reconstitution buffer for ATP eliminating reagent	2
ATP releasing reagent	2
Sample dilution buffer	4
Sample treating reagent	2

CheckLite[®] AT100 should be stored at 2-8°C in a refrigerator. DO NOT FREEZE.

Procedure

1 Preparation of samples



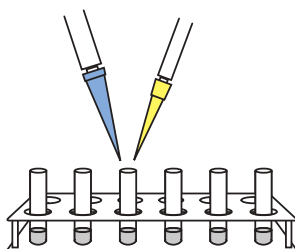
The samples which have been incubated for given length of time for aseptic test can be used directly or diluted with buffer.

2 Sample pretreatment



Place the sample treating reagent into a test tube, and mix with the sample.

3 Elimination of non-microbial ATP



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

4 Extraction of microbial ATP



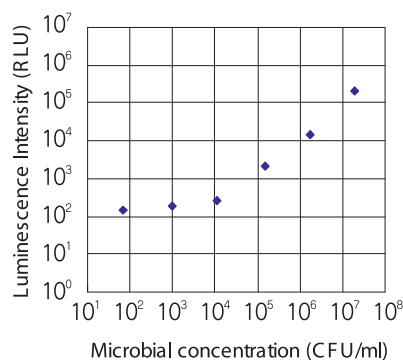
Transfer aliquot into another test tube and add the ATP releasing reagent.

5 Luminescence measurement

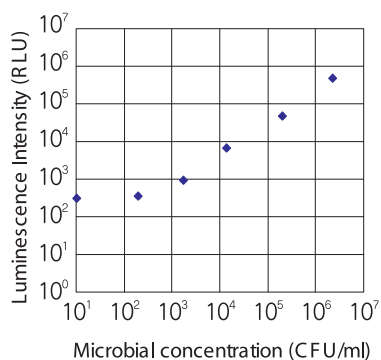


Add the Luciferin-luciferase reagent HS and measure luminescence.

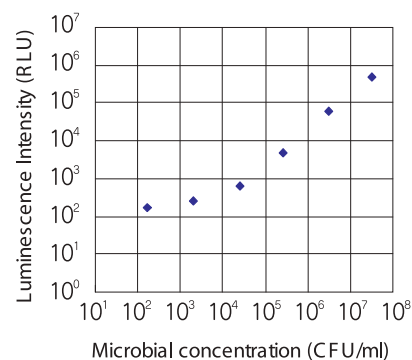
Example



Pseudomonas added to Non-dairy creamer



Bacillus added to Whipped Cream



Klebsiella added to Creamer

Manufacturer, Contact

kikkoman

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All specifications, dimensions and design characteristics shown in this catalog are subject to change without notice.

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