



CERTIFICATE OF ANALYSIS

LuciPac A3 Surface

Product code :60361

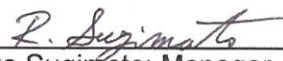
Lot No.: 20220711Y

Expiry date: Oct. 10, 2023

<u>TEST PARAMETER</u>	<u>RESULT</u>	<u>SPECIFICATION</u>
When applied 100 μ L of 5pmol ADP Average Luminescence(RLU)	12400	$\geq 9100, \leq 16900$
When applied 100 μ L of 5pmol AMP Average Luminescence(RLU)	12300	$\geq 9100, \leq 16900$

Measured with Lumitester Smart

This is to certify that above information is a true and accurate copy of data obtained for this kit.


Ryosuke Sugimoto; Manager

Date Jul. 19, 2022

KBG6036100ac-Eaa
SA2207-0140

Quality Assurance Group, Edogawa
Quality Unit
Kikkoman Biochemifa Company

CERTIFICATE OF ANALYSISHistamine Test

Product code :61341

Lot No.: 20220224A

Expiry date: Sep. 2024

<u>TEST PARAMETER</u>	<u>RESULT</u>	<u>SPECIFICATION</u>
Quantifiability of histamine(%) (Ratio to liquid preparation)	100.9	100±5
Absorbance of reagent blank	0.010	≤0.04
Histamine dehydrogenase activity(U/vial)	2.26	≥ 0.64
Concentration of Histamine std. solution(%) (Ratio to the reference solution)	104.0	100±5

Storage condition : at 2-8°C protected from light

This is to certify that above information is a true and accurate copy of data obtained for this kit.


Ryosuke Sugimoto; ManagerDate Jul. 19, 2022KBG6044101aa-Eaa
SA2207-0142Quality Assurance Group, Edogawa
Quality Unit
Kikkoman Biochemifa Company



Kikkoman Biochemifa Company

CERTIFICATE OF ANALYSIS

Histamine Check Swab

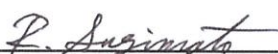
Product code :60448

Lot No.: 20220520J

Expiry date: Nov. 19, 2023

<u>TEST PARAMETER</u>	<u>RESULT</u>	<u>SPECIFICATION</u>
Absorbance(600nm) of 100ppm histamine solution	1.70	1.55-1.95

This is to certify that above information is a true and accurate copy of data obtained for this kit.



Ryosuke Sugimoto; Manager

Date Jul. 19, 2022

KBG6044800aa-Eaa
SA2207-0143

Quality Assurance Group, Edogawa
Quality Unit
Kikkoman Biochemifa Company

**CERTIFICATE OF ANALYSIS****Easy Plate AC**

Product code :61973

Lot No.: AC20220419A

Expiry date: Oct. 18, 2023

<u>TEST PARAMETER</u>	<u>RESULT</u>	<u>SPECIFICATION</u>
Performance test	passed test	* See below
Spreading time	passed test	≤ 60 sec
Gelling of medium	passed test	Gelling within 3 min
Curl of the base sheet	passed test	≤ 4 mm
Appearance of culture area	passed test	Light yellow
Scanning of QR code	passed test	Passed

*The ratio of the average colony count on the product to the plate count agar(%).

Escherichia coli (NBRC15034) : 70-200

Bacillus subtilis (NBRC3134) : 70-350

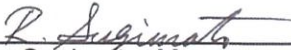
Klebsiella pneumoniae (NBRC14940) : 50-200

Pseudomonas aeruginosa (NBRC3899) : 70-350

Staphylococcus aureus (ATCC25923) : 50-200

Enterococcus faecalis (NBRC100482) : 70-200

Storage condition : 2-8°C


Ryosuke Sugimoto; Manager

Date Jul. 19, 2022

KBG6197300aa-Eaa
SA2207-0144

Quality Assurance Group, Edogawa
Quality Unit
Kikkoman Biochemifa Company

**CERTIFICATE OF ANALYSIS****Easy Plate AC**

Product code :61973

Lot No.: AC20220420A

Expiry date: Oct. 19, 2023

<u>TEST PARAMETER</u>	<u>RESULT</u>	<u>SPECIFICATION</u>
Performance test	passed test	* See below
Spreading time	passed test	\leq 60 sec
Gelling of medium	passed test	Gelling within 3 min
Curl of the base sheet	passed test	\leq 4 mm
Appearance of culture area	passed test	Light yellow
Scanning of QR code	passed test	Passed

*The ratio of the average colony count on the product to the plate count agar(%).

Escherichia coli (NBRC15034) : 70-200

Bacillus subtilis (NBRC3134) : 70-350

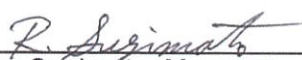
Klebsiella pneumoniae (NBRC14940) : 50-200

Pseudomonas aeruginosa (NBRC3899) : 70-350

Staphylococcus aureus (ATCC25923) : 50-200

Enterococcus faecalis (NBRC100482) : 70-200

Storage condition : 2-8°C


Ryosuke Sugimoto; Manager

Date Jul. 19, 2022

KBG6197300aa-Eaa
SA2207-0145

Quality Assurance Group, Edogawa
Quality Unit
Kikkoman Biochemifa Company



Kikkoman Biochemifa Company

CERTIFICATE OF ANALYSIS

LuciPac Pen

Product code :60331

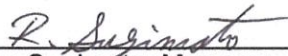
Lot No.: 20220609U

Expiry date: Sep. 08, 2023

<u>TEST PARAMETER</u>	<u>RESULT</u>	<u>SPECIFICATION</u>
Average Luminescence(RLU)	12600	$\geq 9100, \leq 16900$

(When applied 100 μ L of 5 pmol AMP: measured with Lumitester Smart)

This is to certify that above information is a true and accurate copy of data obtained for this kit.



Ryosuke Sugimoto; Manager

Date Jul. 19, 2022

KBG6033100ab-Eaa
SA2207-0146

Quality Assurance Group, Edogawa
Quality Unit
Kikkoman Biochemifa Company



Kikkoman Biochemifa Company

CERTIFICATE OF ANALYSIS

LuciPac Pen

Product code :60331

Lot No.: 20220704U

Expiry date: Oct. 03, 2023

<u>TEST PARAMETER</u>	<u>RESULT</u>	<u>SPECIFICATION</u>
Average Luminescence(RLU)	12700	$\geq 9100, \leq 16900$

(When applied 100 μ L of 5 pmol AMP: measured with Lumitester Smart)

This is to certify that above information is a true and accurate copy of data obtained for this kit.


Ryosuke Sugimoto; Manager

Date Jul. 19, 2022

KBG6033100ab-Eaa
SA2207-0147

Quality Assurance Group, Edogawa
Quality Unit
Kikkoman Biochemifa Company



Kikkoman Biochemifa Company

CERTIFICATE OF ANALYSIS

LuciPac Pen

Product code :60331

Lot No.: 20220705U

Expiry date: Oct. 04, 2023

<u>TEST PARAMETER</u>	<u>RESULT</u>	<u>SPECIFICATION</u>
Average Luminescence(RLU)	12500	$\geq 9100, \leq 16900$

(When applied 100 μ L of 5 pmol AMP: measured with Lumitester Smart)

This is to certify that above information is a true and accurate copy of data obtained for this kit.

Ryosuke Sugimoto; Manager

Date Jul. 19, 2022

KBG6033100ab-Eaa
SA2207-0148

Quality Assurance Group, Edogawa
Quality Unit
Kikkoman Biochemifa Company



Kikkoman Biochemifa Company

CERTIFICATE OF ANALYSIS

LuciPac Pen

Product code :60331

Lot No.: 20220706U

Expiry date: Oct. 05, 2023

<u>TEST PARAMETER</u>	<u>RESULT</u>	<u>SPECIFICATION</u>
Average Luminescence(RLU)	12300	$\geq 9100, \leq 16900$
(When applied 100 μ L of 5 pmol AMP: measured with Lumitester Smart)		

This is to certify that above information is a true and accurate copy of data obtained for this kit.


Ryosuke Sugimoto; Manager

Date Jul. 19, 2022

KBG6033100ab-Eaa
SA2207-0149

Quality Assurance Group, Edogawa
Quality Unit
Kikkoman Biochemifa Company



Kikkoman Biochemifa Company

CERTIFICATE OF ANALYSIS

LuciPac Pen-AQUA

Product code :60336

Lot No.: 20220420Q

Expiry date: Jul. 19, 2023

<u>TEST PARAMETER</u>	<u>RESULT</u>	<u>SPECIFICATION</u>
Average Luminescence(RLU)	13300	$\geq 9100, \leq 16900$

(When applied 100 μ L of 5 pmol AMP: measured with Lumitester Smart)

This is to certify that above information is a true and accurate copy of data obtained for this kit.


Ryosuke Sugimoto; Manager

Date Jul. 19, 2022

KBG6033600ab-Eaa
SA2207-0150

Quality Assurance Group, Edogawa
Quality Unit
Kikkoman Biochemifa Company



Kikkoman Biochemifa Company

CERTIFICATE OF ANALYSIS

LuciPac A3 Surface

Product code :60361

Lot No.: 20220712Y

Expiry date: Oct. 11, 2023

<u>TEST PARAMETER</u>	<u>RESULT</u>	<u>SPECIFICATION</u>
When applied 100 μ L of 5pmol ADP Average Luminescence(RLU)	12600	$\geq 9100, \leq 16900$
When applied 100 μ L of 5pmol AMP Average Luminescence(RLU)	12200	$\geq 9100, \leq 16900$

Measured with Lumitester Smart

This is to certify that above information is a true and accurate copy of data obtained for this kit.


Ryosuke Sugimoto; Manager

Date Jul. 19, 2022

KBG6036100ac-Eaa
SA2207-0141

Quality Assurance Group, Edogawa
Quality Unit
Kikkoman Biochemifa Company



CERTIFICATE OF ANALYSIS

LuciPac A3 Water

Product code :60365

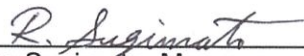
Lot No.: 20220421W

Expiry date: Jul. 20, 2023

<u>TEST PARAMETER</u>	<u>RESULT</u>	<u>SPECIFICATION</u>
When applied 100 μ L of 5pmol ADP Average Luminescence(RLU)	12400	$\geq 9100, \leq 16900$
When applied 100 μ L of 5pmol AMP Average Luminescence(RLU)	12200	$\geq 9100, \leq 16900$

Measured with Lumitester Smart

This is to certify that above information is a true and accurate copy of data obtained for this kit.


Ryosuke Sugimoto; Manager

Date Jul. 19, 2022

KBG6036500ac-Eaa
SA2207-0134

Quality Assurance Group, Edogawa
Quality Unit
Kikkoman Biochemifa Company



Kikkoman Biochemifa Company

CERTIFICATE OF ANALYSIS

Product code (Kikkoman): 61234
Product name: **Lumitester Smart**
Serial Number: 2146053130076S

DATA

Counts for reference light source: 9,998 RLU
(Std.: within 10,000 ±500 RLU)

Dark counts: 0 RLU
(Std.: within ±10 RLU)

Date: Jul.19.2022

Signature: H Katayama
Hiroshi Katayama; Manager

Quality Assurance Group, Edogawa
Quality Unit
Kikkoman Biochemifa Company

KBG61234(0)-Eaa
SA2207031

**CERTIFICATE OF ANALYSIS****Easy Plate CC**

Product code :61974

Lot No.: CC20220324A

Expiry date: Sep. 23, 2023

<u>TEST PARAMETER</u>	<u>RESULT</u>	<u>SPECIFICATION</u>
Performance test	passed test	See below
Spreading time	passed test	\leq 60 sec
Gelling of medium	passed test	Gelling within 3 min
Curl of the base sheet	passed test	\leq 4 mm
Appearance of culture area	passed test	Light yellow
Scanning of QR code	passed test	Passed

Performance test

Escherichia coli (NBRC15034) : 70-200*

Klebsiella pneumoniae(NBRC14940) : 50-200*

Enterobacter cloacae (NBRC13536) : 50-200*

Citrobacter freundii (NBRC12681) : 50-200*

Staphylococcus aureus (ATCC25923) : No growth

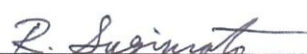
Enterococcus faecalis (NBRC100482) : No growth

Proteus mirabilis (NBRC105697) : No growth

Staphylococcus xylosus (NBRC109770) : No growth

*The ratio of the average colony count on the product to the VRB agar medium(%).

Storage condition : 2-8°C


Ryosuke Sugimoto; Manager

Date Jul. 19, 2022

KBG6197400aa-Eab
SA2207-0135Quality Assurance Group, Edogawa
Quality Unit
Kikkoman Biochemifa Company

**CERTIFICATE OF ANALYSIS****Easy Plate CC**

Product code :61974

Lot No.: CC20220411A

Expiry date: Oct. 10, 2023

<u>TEST PARAMETER</u>	<u>RESULT</u>	<u>SPECIFICATION</u>
Performance test	passed test	See below
Spreading time	passed test	\leq 60 sec
Gelling of medium	passed test	Gelling within 3 min
Curl of the base sheet	passed test	\leq 4 mm
Appearance of culture area	passed test	Light yellow
Scanning of QR code	passed test	Passed

Performance test

Escherichia coli (NBRC15034) : 70-200*

Klebsiella pneumoniae(NBRC14940) : 50-200*

Enterobacter cloacae (NBRC13536) : 50-200*

Citrobacter freundii (NBRC12681) : 50-200*

Staphylococcus aureus (ATCC25923) : No growth

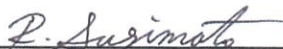
Enterococcus faecalis (NBRC100482) : No growth

Proteus mirabilis (NBRC105697) : No growth

Staphylococcus xylosus (NBRC109770) : No growth

*The ratio of the average colony count on the product to the VRB agar medium(%).

Storage condition : 2-8°C


Ryosuke Sugimoto; Manager

Date Jul. 19, 2022KBG6197400aa-Eab
SA2207-0136Quality Assurance Group, Edogawa
Quality Unit
Kikkoman Biochemifa Company

**CERTIFICATE OF ANALYSIS****Easy Plate EC**

Product code :61975

Lot No.: EC20220415A

Expiry date: Oct. 14, 2023

<u>TEST PARAMETER</u>	<u>RESULT</u>	<u>SPECIFICATION</u>
Performance test	passed test	See below
Spreading time	passed test	≤ 60 sec
Gelling of medium	passed test	Gelling within 3 min
Curl of the base sheet	passed test	≤ 4 mm
Appearance of culture area	passed test	Light yellow
Scanning of QR code	passed test	Passed

Performance test

Escherichia coli (NBRC15034) : 70-200*

Klebsiella pneumoniae(NBRC14940) : 50-200*

Enterobacter cloacae (NBRC13536) : 50-200*

Citrobacter freundii (NBRC12681) : 50-200*

Staphylococcus aureus (ATCC25923) : No growth

Enterococcus faecalis (NBRC100482) : No growth

Proteus mirabilis (NBRC105697) : No growth

Staphylococcus xylosus (NBRC109770) : No growth

*The ratio of the average colony count on the product to the VRB agar medium(%).

Storage condition : 2-8°C


Ryosuke Sugimoto; ManagerDate Jul. 19, 2022KBG6197500aa-Eab
SA2207-0137Quality Assurance Group, Edogawa
Quality Unit
Kikkoman Biochemifa Company

**CERTIFICATE OF ANALYSIS****Easy Plate SA**

Product code :61976

Lot No.: SA20220408A

Expiry date: Apr. 07, 2023

<u>TEST PARAMETER</u>	<u>RESULT</u>	<u>SPECIFICATION</u>
Performance test	passed test	See below
Spreading time	passed test	\leq 60 sec
Gelling of medium	passed test	Gelling within 3 min
Curl of the base sheet	passed test	\leq 4 mm
Appearance of culture area	passed test	Light yellow
Scanning of QR code	passed test	Passed

Performance test

Staphylococcus aureus (ATCC25923) : 50-200 (as blue colony)^{*1}Staphylococcus aureus (NBRC13276) : 50-200 (as blue colony)^{*1}

Enterococcus faecalis (NBRC100482) : No growth

Bacillus subtilis (NBRC3134) : No growth

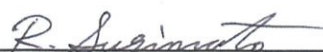
Escherichia coli (NBRC15034) : No growth

Proteus mirabilis (NBRC105697) : No growth

Bacillus licheniformis (NBRC12200) : Growth as pink colony

Staphylococcus epidermidis (NBRC100911) : \leq 10 and no growth as blue colony^{*2}^{*1}The ratio of the average colony count on the product to the plate count agar (%).^{*2}The ratio of the average colony count on the product to Easy Plate AC (%).

Storage condition : 2-8°C


Ryosuke Sugimoto; Manager

Date Jul. 19, 2022

KBG6197600aa-Eab
SA2207-0138Quality Assurance Group, Edogawa
Quality Unit
Kikkoman Biochemifa Company

CERTIFICATE OF ANALYSIS**Easy Plate SA**

Product code :61976

Lot No.: SA20220408B

Expiry date: Apr. 07, 2023

<u>TEST PARAMETER</u>	<u>RESULT</u>	<u>SPECIFICATION</u>
Performance test	passed test	See below
Spreading time	passed test	≤ 60 sec
Gelling of medium	passed test	Gelling within 3 min
Curl of the base sheet	passed test	≤ 4 mm
Appearance of culture area	passed test	Light yellow
Scanning of QR code	passed test	Passed

Performance test

Staphylococcus aureus (ATCC25923) : 50-200 (as blue colony)^{*1}Staphylococcus aureus (NBRC13276) : 50-200 (as blue colony)^{*1}

Enterococcus faecalis (NBRC100482) : No growth

Bacillus subtilis (NBRC3134) : No growth

Escherichia coli (NBRC15034) : No growth

Proteus mirabilis (NBRC105697) : No growth

Bacillus licheniformis (NBRC12200) : Growth as pink colony

Staphylococcus epidermidis (NBRC100911) : ≤10 and no growth as blue colony^{*2}^{*1}The ratio of the average colony count on the product to the plate count agar (%).^{*2}The ratio of the average colony count on the product to Easy Plate AC (%).

Storage condition : 2-8°C


Ryosuke Sugimoto; ManagerDate Jul. 19, 2022KBG6197600aa-Eab
SA2207-0139Quality Assurance Group, Edogawa
Quality Unit
Kikkoman Biochemifa Company