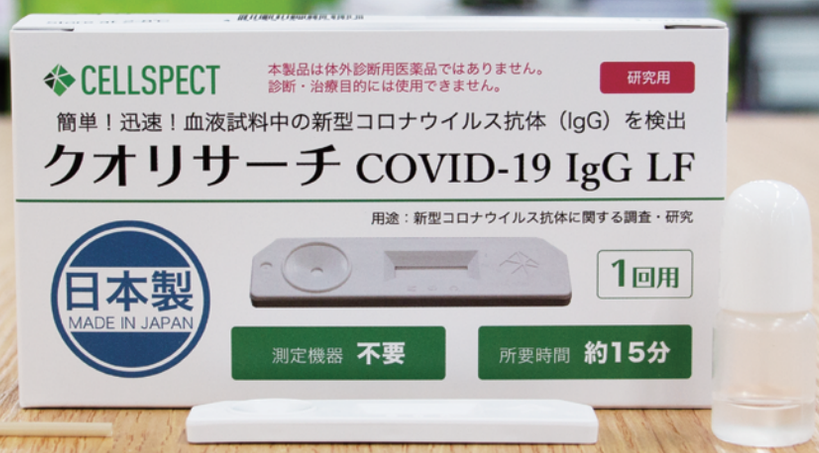
CELLSPECT

QuaResearch **RUO** | Product code: RCGLF011

COVID-19 IgG LF 1test



The industry's first ※1
fully domestically produced the novel coronavirus antibody(IgG) detection kit for research use ※1 An in-company investigation

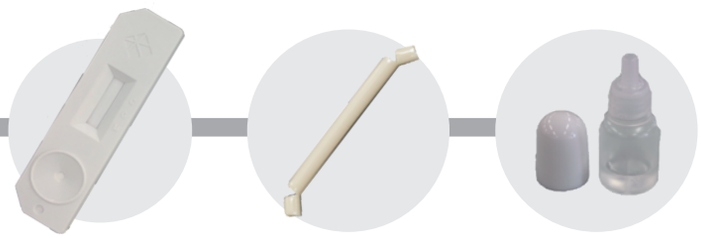
Made in Japan

No measuring device needed

Test time 15 min

The industry's first ※1 fully domestically produced the novel coronavirus antibody (IgG) detection kit for research use, using immunochromatography to detect antibody (IgG) against the novel coronavirus.
「QuaResearch COVID -19 IgG LF」. ※1: An in-company investigation

Kit Contents



Test stick　Sampler　Reagent

Items needed but not supplied. Please purchase separately


Lancet (Finger prick)


Adhesive bandage


Disinfectant wipe


hemostatic gauze

Specification

Product name	QuaResearch COVID-19 IgG LF
Product code	RCGLF011
Measurement method	Immunochromatography
Test number	1test
Measurement time	15 minutes
Measurement sample	Whole blood, serum, plasma
Sample amount	10μL
Storage temperature	2℃- 28℃(12 months)

▼Instruction video▼

Please watch the instruction video before use.

- This product is intended for research use only. NOT for diagnostic and therapeutic purposes.
- This product is sold for survey and research purposes.
- Be sure to read the instructions for use before use.
- This product shall be used at the responsibility of the user, and we shall not be responsible for any damage caused by the obtained result.

how to use

1 Wash hands and promote blood circulation of the fingers. Puncture the fingers with a lancet or other finger prick devices.

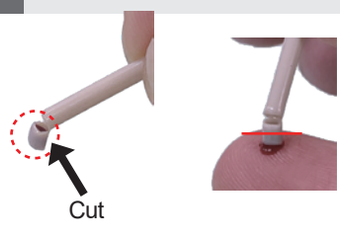
※If you open and close your hand or rub your fingers, blood will come out more easily.

※Please follow the instructions of the chosen lancet product.

2 Press fingertip lightly to make a ball of rice grain-sized blood.

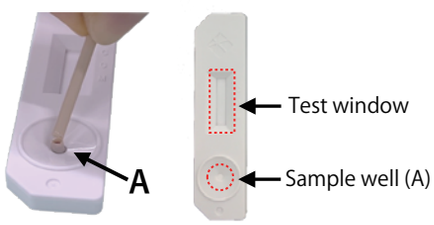
※Sample your blood from proper size of the drop. The sampler sometimes does not work properly when blood drop's size is too small.

3 Put the sampler tip on the puncture site from right above the blood ball.



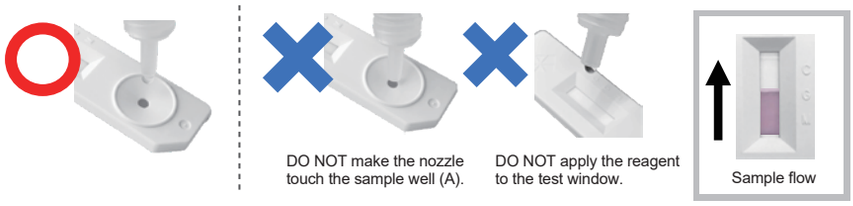
※Let the blood be sucked in at least half full of the sampler.

4 Immediately bring the sampler into contact with the sample well (A) of the test stick from directly above to allow blood to soak.



※Apply the blood to the stick before coagulation. The coagulation makes it difficult to run this test.

5 Immediately, apply 2 drops of the reagent to the sample well (A) and let stand for 15 minutes.



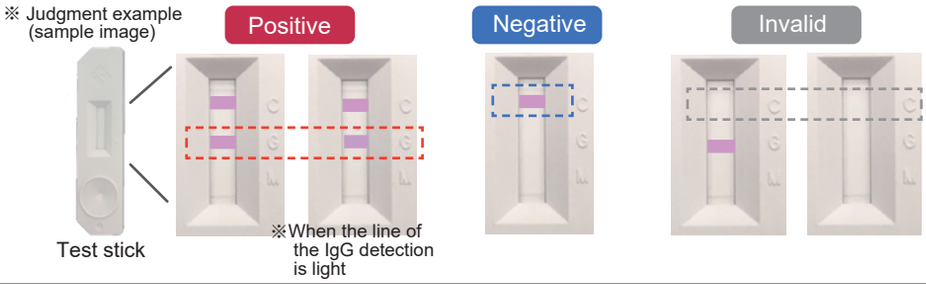
※If the reagent does not flow to the judgment part 60 seconds or more after sample applying, the amount of sample may be insufficient. In that case, add 1 to 2 drops of reagent to the sample well (A) and check if the reagent flows.

6 Measure the time with a timer and visually judge between 15 and 20 minutes.

Test window
C Test end confirmation line
G IgG detection line
M IgM is NOT detected in this kit

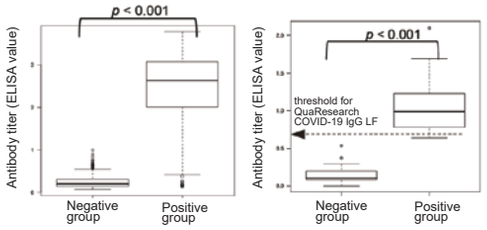
※Check if test end confirmation line appears in C.

※ Judgment example (sample image)



Academic information
(Antibody titer survey by ELISA method)

Nonparametric analysis results for antibody titers from 15 to 21 days after onset

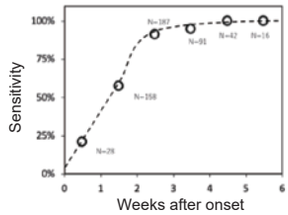


ROC analysis result as an IgG antibody marker (ELISA)

Sensitivity: 88%; Specificity: 99%
Positive predictive value: 99%; Negative predictive value: 97%
False positive rate:0.2%; False negative rate: 12%
AUC: 0.96 (CI 95%: 0.941-0.987)

		Positive group	Negative group	Total
Antibody titer of IgG	Positive	128	1	129
	Negative	18	494	512
	Total	146	495	641

Detection sensitivity by ELISA during the post-onset period



Detection characteristics of QuaResearch IgG LF in samples with known antibody titers

Sensitivity: 87%; Specificity: 100%
Positive predictive value: 100%
Negative predictive value: 92%
False positive rate:0%; False negative rate: 13%

		Positive group	Negative group	Total
QuaResearch IgG LF	Positive	20	0	20
	Negative	3	36	39
	Total	23	36	59

CELLSPECT
COMPANIES DRIVING REGIONAL GROWTH

Manufacturer and Seller: Cellspect Co., Ltd.
〒020-0857 2-4-23 Kitaiioka, Morioka, Iwate
TEL:019-681-2099 / FAX:019-903-0418 URL: https://www.cellspect.com

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