



To a brighter future...

REGABIO

TECHNOLOGY INC



REGA BIOTECHNOLOGY INC.
www.regabio.com

Profile



Our Goal

To improve people's living quality

Our Passion

Lateral-flow rapid test design and development

Our Mission

To increase crop productivity, prevent diseases, improve human health

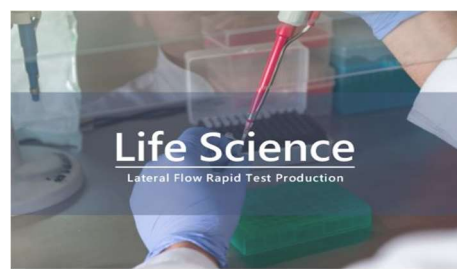
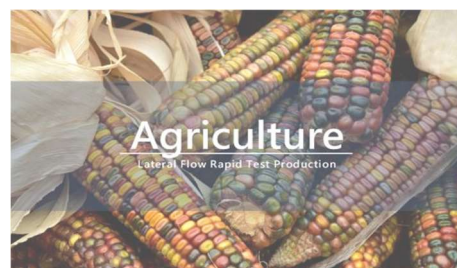
Rega Biotechnology Inc. is a leading company in lateral-flow rapid test development and manufacture in Taiwan. Established in 2004 with a goal to improve people's living quality, Rega Biotechnology Inc. has been devoting not only to research and technology development, but also to biotech services as well as bio material preparations for lateral-flow test product over a decade. With highly incentive, company focus on developing, producing and marketing rapid test products and instruments for product development and result interpretation.

We have been committing to quality. Products complied with ISO 9001:2015.



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We commercialize diagnostic tests for food allergen, food safety, plant virus, finfish virus in agriculture field. Products are distributed globally across many regions including Asia, Oceania, North America and Europe.

Our team has sufficient experience to integrate mature immune raw material production technology, and develop diagnostic test products for testing various target materials, by mastering the technical source of the industry, we have been actively developing diagnostic tests for numerous inspection applications including viruses and microorganism detections, disease detection, specific protein detection and food safety screening.

Food Allergen

A food allergy is an overreaction of immune system to a food or a certain substance in food. The body's immune system sees the substance (usually a protein) as a threat and reacts by causing symptoms. Food allergy symptoms can vary from mild to severe.

Food allergy reactions can be triggered by numerous foods. Among them, milk, egg, peanut, tree nuts, soy, fish, shellfish and gluten containing grains are the mostly reported ones. At present there is no cure for food allergies. The only way to prevent food allergy is to avoid the intake of the food the patient is allergic to.

Food allergies are common in the developed world. The population suffer from at least one food allergy has significantly increased in recent decades. The issue thus has driven public and governments' awareness, and legislation of related regulations has become urgent and important.

Almond

Agitest™ Food Allergen Rapid Test – Almond is an immunochromatographic test for the detection of almond in food samples. Results are interpreted visually.

Application:

Food processing, shared facilities, surface swab, inbound ingredients, final products

Detection limit:

0.1 ppm almond protein isolate

Environmental swab testing:

0.1 µg/100cm² almond protein isolate



RT 10156020

Buckwheat

Agitest™ Food Allergen Rapid Test – Buckwheat is an immunochromatographic test for the detection of buckwheat in food samples. Results are interpreted visually.

Application:

Food processing, shared facilities, surface swab, inbound ingredients, final products

Detection limit:

0.1 ppm buckwheat protein isolate

Environmental swab testing:

1.6 µg/100cm² buckwheat protein isolate



RT 10146020

HS - Casein

Agitest™ Food Allergen Rapid Test – HS-Casein is an immunochromatographic high sensitive test for the detection of casein in food samples. Results are interpreted visually.

Application:

Food processing, shared facilities, surface swab, inbound ingredients, final products

Detection limit:

0.2 ppm casein

Environmental swab testing:

0.5 µg/100cm² casein



RT 10043020

Egg

Agitest™ Food Allergen Rapid Test – Egg is an immunochromatographic test for the detection of egg in food samples. Results are interpreted visually.

Application:

Food processing, shared facilities, surface swab, inbound ingredients, final products

Detection limit:

0.1 ppm whole egg

Environmental swab testing:

0.4 µg/100cm² whole egg



RT 10056020

Fish (*Gadus Macrocephalus*)

Agitest™ Food Allergen Rapid Test – Fish is an immunochromatographic test for the detection of codfish in food samples. Results are interpreted visually.

Application:

Food processing, shared facilities, surface swab, inbound ingredients, final products

Detection limit:

0.01 ppm codfish protein isolate

Environmental swab testing:

0.01 µg/100cm² codfish protein isolate



RT 10176020

Gluten

Agitest™ Food Allergen Rapid Test – Gluten is an immunochromatographic test for the detection of gluten in food samples. Results are interpreted visually.

Application:

Food processing, shared facilities, surface swab, inbound ingredients, final products

Detection limit:

2 ppm gluten

Environmental swab testing:

0.1 µg/100cm² gluten



RT 10076020

Peanut

Agitest™ Food Allergen Rapid Test – Peanut is an immunochromatographic test for the detection of peanut in food samples. Results are interpreted visually.

Application:

Food processing, shared facilities, surface swab, inbound ingredients, final products

Detection limit:

0.1 ppm peanut protein isolate

Environmental swab testing:

6.4 µg/100cm² peanut protein isolate



RT 10106020

Shellfish

Agitest™ Food Allergen Rapid Test – Shellfish is an immunochromatographic test for the detection of shellfish in food samples. Results are interpreted visually.

Application:

Food processing, shared facilities, surface swab, inbound ingredients, final products

Detection limit:

0.1 ppm shrimp protein isolate

Environmental swab testing:

0.8 µg/100cm² shrimp protein isolate



RT 10166020

Soy

Agitest™ Food Allergen Rapid Test - Soy is an immunochromatographic test for the detection of soy in food samples. Results are interpreted visually.

Application:

Food processing, shared facilities, surface swab, final products

Detection limit:

0.2 ppm soy protein isolate

Environmental swab testing:

4 µg/100cm² soy protein isolate



RT 10206020

Mango

Agitest™ Food Allergen Rapid Test – Mango is an immunochromatographic test for the detection of mango in food samples. Results are interpreted visually.

Application:

Food processing, shared facilities, surface swab, inbound ingredients, final products

Detection limit:

0.2 ppm mango protein isolate

Environmental swab testing:

0.8 µg/100cm² mango protein isolate



RT 10318020

Sesame

Agitest™ Food Allergen Rapid Test – Sesame is an immunochromatographic test for the detection of sesame in food samples. Results are interpreted visually.

Application:

Food processing, shared facilities, surface swab, inbound ingredients, final products

Detection limit:

0.01 ppm sesame protein isolate

Environmental swab testing:

0.01 µg/100cm² sesame protein isolate



RT 10379020

Environmental Swab

Agitest™ Environmental Swab Kit

Components: Cotton, wood stick

Dimension: 150mm x 3mm ±5%

Packing: 20 sticks/pack

Application:

Can be used with Agitest™ Food Allergen Rapid Test Kit Strip.

Suitable for validate and verify allergen cleaning regimes in manufacturing and analytical environmental.



SR 00013020



Food Allergen Rapid Test

Lab Kit

Art. No.	Product	Tests per kit	Storage	Components
RT10156020	Almond	20	2~30 °C	S / B / L / M
RT10146020	Buckwheat	20	2~30 °C	S / B / L / M
RT10043020	HS-Casein	20	2~30 °C	S / B / L / M
RT10056020	Egg	20	2~30 °C	S / B / L / M
RT10176020	Fish (Cod)	20	2~30 °C	S / B / L / M
RT10076020	Gluten	20	2~30 °C	S / B / L / M
RT10106020	Peanut	20	2~30 °C	S / B / L / M
RT10166020	Shellfish	20	2~30 °C	S / B / L / M
RT10206020	Soy	20	2~30 °C	S / B / L / M
RT10318020	Mango	20	2~30 °C	S / B / L / M
RT10379020	Sesame	20	2~30 °C	S / B / L / M

Environmental Swab Kit

Art. No.	Product	Tests per kit	Storage	Components
SR00013220	Cotton Swab	20	2~30 °C	N

Home Kit

Art. No.	Product	Tests per kit	Storage	Components
RT10152002	Almond	2	2~30 °C	S / B / H / M *
RT10142002	Buckwheat	2	2~30 °C	S / B / H / M *
RT10043002	HS-Casein	2	2~30 °C	S / B / H / M *
RT10057002	Egg	2	2~30 °C	S / B / H / M *
RT10173002	Fish (Cod)	2	2~30 °C	S / B / H / M *
RT10079002	Gluten	2	2~30 °C	S / B / H / M *
RT10100002	Peanut	2	2~30 °C	S / B / H / M *
RT10163002	Shellfish	2	2~30 °C	S / B / H / M *
RT10204002	Soy	2	2~30 °C	S / B / H / M *
RT10318002	Mango	2	2~30 °C	S / B / H / M *
RT10379002	Sesame	2	2~30 °C	S / B / H / M *

*Not available yet

S Strip Pouches
B Buffer
M Instruction Manual

L Scoop
 Dropper
 Tubes Rack
 4mL Sample Tube
 1.5mL Microcentrifuge Tube

H Scoop
 Dropper
 Tube
 Holder
 Small Tube

N Cotton stick



Food Safety

Since food-borne illness occurs frequently nowadays, food safety has become a major issue which not only arouses public attention but forces governments' actions in legislation and inspection.

Foods are easily to be contaminated during production and in storage. Contaminations can come from microorganisms, drug residues, pesticides and so on. Periodically check on the existence of food contaminants therefore is very crucial to keep foods safe. Being advantaged by the merits of high accuracy, efficiency and convenience, lateral flow immunoassay plays an important role in the safe food procedures from industry to consumers.

Bovine Milk

Agitest™ Food Safety Rapid Test – Bovine Milk is an immunochromatographic test for the detection of bovine milk (casein) in food samples (goat milk). Results are interpreted visually.

Application:
Adulteration of bovine milk to goat's milk, Inbound goat milk, final products

Detection limit:
Food sample: \geq 1 % bovine milk



RT 10017150

Aflatoxin Total

Agitest™ Food Safety Rapid Test - Aflatoxin Total is an immunochromatographic test for detection of aflatoxin B1, B2, G1, and G2 in foods and feeds samples. Results are interpreted visually.

Application:
Production, processing, storage

Detection limit:
Food sample: 5 ppb aflatoxin B1 (RT10295050)
Food sample: 2 ppb aflatoxin B1 (RT10235050)



RT 10295050



RT 10235050

Aflatoxin M1

Agitest™ Food Safety Rapid Test - Aflatoxin M1 is an immunochromatographic test for the detection of aflatoxin M1 in milk sample. Results are interpreted visually.

Application:
Liquid dairy products, raw milk, milk powder

Detection limit:
Food sample: 0.5 ppb aflatoxin M1 in milk

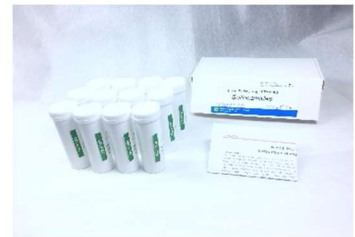


RT 10225050

Sulfonamides

Food Safety Rapid Test – Sulfonamides
the test is for detecting specific antibiotics, based on the principle of immunochromatography and is convenient with easy to use, high specificity and accuracy. Results are interpreted visually.

Application: milk
Package: 96 test strips/wells per box



NP 10018096

Chloramphenicol

Food Safety Rapid Test – Chloramphenicol
the test is for detecting specific antibiotics, based on the principle of immunochromatography and is convenient with easy to use, high specificity and accuracy. Results are interpreted visually.

Application: milk
Package: 96 test strips/wells per box

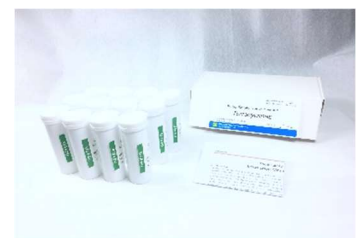


NP 10028096

Tetracyclines

Food Safety Rapid Test – Tetracyclines
the test is for detecting specific antibiotics, based on the principle of immunochromatography and is convenient with easy to use, high specificity and accuracy. Results are interpreted visually.

Application: milk
Package: 96 test strips/wells per box



NP 10038096

Beta-Lactams

Food Safety Rapid Test – β -Lactams

the test is for detecting specific antibiotics, based on the principle of immunochromatography and is convenient with easy to use, high specificity and accuracy. Results are interpreted visually.

Application: milk

Package: 96 test strips/wells per box



NP 10048096

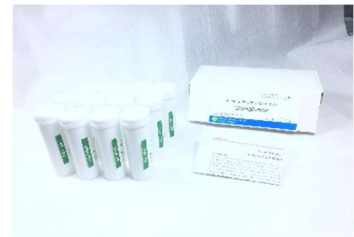
Quinolones

Food Safety Rapid Test – Quinolones

the test is for detecting specific antibiotics, based on the principle of immunochromatography and is convenient with easy to use, high specificity and accuracy. Results are interpreted visually.

Application: milk

Package: 96 test strips/wells per box



NP 10058096

Lincomycin

Food Safety Rapid Test – Lincomycin

the test is for detecting specific antibiotics, based on the principle of immunochromatography and is convenient with easy to use, high specificity and accuracy. Results are interpreted visually.

Application: milk

Package: 96 test strips/wells per box



NP 10078096

Food Safety Rapid Test

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Art. No.	Product	Tests per kit	Storage	Components
RT10017150	Bovine Milk	50	2~30 °C	C / B / D / M
RT10295050	Aflatoxin Total	50	2~30 °C	5 ppb / S / B / M
RT10235050	Aflatoxin Total	50	2~30 °C	2 ppb / S / B / M
RT10225050	Aflatoxin M1	50	2~30 °C	S / B / M

Art. No.	Product	Tests per kit	Storage	Components
NP10018096	Sulfonamides	96	2~8 °C	S / W / M
NP10028096	Chloramphenicol	96	2~8 °C	S / W / M
NP10038096	Tetracyclines	96	2~8 °C	S / W / M
NP10048096	β -Lactams	96	2~8 °C	S / W / M
NP10058096	Quinolones	96	2~8 °C	S / W / M
NP10078096	Lincomycin	96	2~8 °C	S / W / M

S Strip Pouches	D Dropper
C Cassette Pouches	W Microwells
B Buffer	M Instruction Manual



Agriculture

Plant virus transmission can be via many ways, including instruments, insect bites, leaf wounds, etc. Once infected, the plant is not easily to be cured, and the virus could be transmitted before the symptoms can be seen, causing a greater prevalence. Therefore, early detection of viral infection, and isolation or elimination of diseased plants are critical to plant virus control.

Conventional virus detection methods such as PCR and ELISA are costly, time-consuming, and require experienced operators, which restrict the methods' applicability in field (onsite?) mass screening. Lateral flow immunoassay is a simple cellulose-based technique which makes up the drawbacks of the conventional methods. It relies on specific antigen-antibody binding to detect the presence or absence of the target analytes without the requirement of equipment and trained people. The method is fast and easy-to-do and test results can be interpreted visually.

CymMV + ORSV

(*Cymbidium Mosaic Virus*, *Odontoglossum Ringspot Virus*)

Agitest™ Plant Virus Rapid Test 2in1 – CymMV + ORSV is an immunochromatographic test for the detection of CymMV and ORSV virus in plant and orchid. Combining two viruses on one single strip is time saving and cost effective, providing both high specificity and sensitivity.

Application:

Plant field, orchid breeding, tissue culture, quarantine screening



RT 10132050

CaCV (*Capsicum Chlorosis Virus*)

Agitest™ Plant Virus Rapid Test – CaCV is an immunochromatographic test for the detection of *Capsicum Chlorosis Virus* in plant and orchid. Results are interpreted visually.

Application:

Plant field, orchid breeding, tissue culture, quarantine screening



RT 10183050

CMV (*Cucumber Mosaic Virus*)

Agitest™ Plant Virus Rapid Test - CMV is an immunochromatographic test for the detection of *Cucumber Mosaic Virus* in plant and orchid. Results are interpreted visually.

Application:

Plant field, orchid breeding, tissue culture, quarantine screening

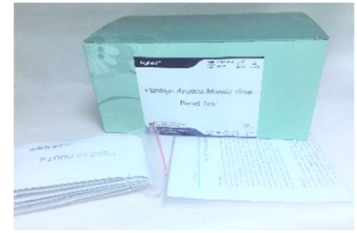


RT 10193050

PIAMV (*Plantago Asiatic Mosaic Virus*)

Agitest™ Plant Virus Rapid Test – PIAMV is an immunochromatographic test for the detection of *Plantago Asiatic Mosaic Virus* in plant and Lily. It can be completed within 15 minutes at room temperature, easy to use with high specificity and accuracy. Results are interpreted visually.

Application:
Plant field, bulb breeding, tissue culture, quarantine screening



RT 10256050

LMOV (*Lily Mottle Virus*)

Agitest™ Plant Virus Rapid Test – LmoV is an immunochromatographic test for the detection of *Lily Mottle Virus* in plant and Lily. It can be completed within 15 minutes at room temperature, easy to use with high specificity and accuracy. Results are interpreted visually.

Application:
Plant field, bulb breeding, tissue culture, quarantine screening



RT 10266050

PVY (*Potato Virus Y*)

Agitest™ Plant Virus Rapid Test – Potato Virus Y is an immunochromatographic test for detecting trace amount of PVY in potato leaves. It can be completed within 15 minutes at room temperature, easy to use with high specificity and accuracy. Results are interpreted visually.

Application:
Seed potato growers, field testing, import and export trading, tissue culture, quarantine screening



RT 10349050

PVS (*Potato Virus S*)

Agitest™ Plant Virus Rapid Test – Potato Virus Y is an immunochromatographic test for detecting trace amount of PVS in potato leaves. It can be completed within 15 minutes at room temperature, easy to use with high specificity and accuracy. Results are interpreted visually.

Application:

Seed potato growers, field testing, import and export trading, tissue culture, quarantine screening



RT 10329050

PVX (*Potato Virus X*)

Agitest™ Plant Virus Rapid Test – Potato Virus Y is an immunochromatographic test for detecting trace amount of PVX in potato leaves. It can be completed within 15 minutes at room temperature, easy to use with high specificity and accuracy. Results are interpreted visually.

Application:

Seed potato growers, field testing, import and export trading, tissue culture, quarantine screening



RT 10339050

PVA (*Potato Virus A*)

Agitest™ Plant Virus Rapid Test – Potato Virus Y is an immunochromatographic test for detecting trace amount of PVA in potato leaves. It can be completed within 15 minutes at room temperature, easy to use with high specificity and accuracy. Results are interpreted visually.

Application:

Seed potato growers, field testing, import and export trading, tissue culture, quarantine screening



RT 10359050

Agriculture Rapid Test

Plant - Orchid

Art. No.	Product	Tests per kit	Storage	Components
RT10132050	CymMV+ORSV	50	2~30 °C	S/B/D/K/U/R/M
RT10183050	CaCV	50	2~30 °C	S/B/D/G/U/M
RT10193050	CMV	50	2~30 °C	S/B/D/G/U/M
RT10132005	CymMV+ORSV	5	2~30 °C	S/B/D/G/U/R/M
RT10183005	CaCV	5	2~30 °C	S/B/D/G/U/M *
RT10193005	CMV	5	2~30 °C	S/B/D/G/U/M *

*Not available yet

Plant - Lily

Art. No.	Product	Tests per kit	Storage	Components
RT10256050	PIAMV	50	2~30 °C	S/B/D/G/U/M
RT10266050	LMoV	50	2~30 °C	S/B/K/U/M
RT10256005	PIAMV	5	2~30 °C	S/B/D/G/U/M *
RT10266005	LMoV	5	2~30 °C	S/B/K/U/M *

*Not available yet

Plant - Potato

Art. No.	Product	Tests per kit	Storage	Components
RT10349050	PVY	50	2~30 °C	S/B/D/K/U/R/M
RT10329050	PVS	50	2~30 °C	S/B/D/G/U/M
RT10339050	PVX	50	2~30 °C	S/B/D/G/U/M
RT10359005	PVA	50	2~30 °C	S/B/D/G/U/R/M
RT10349005	PVY	5	2~30 °C	S/B/D/G/U/M *
RT10329005	PVS	5	2~30 °C	S/B/D/G/U/M *
RT10339005	PVX	5	2~30 °C	S/B/D/G/U/M *
RT10359005	PVA	5	2~30 °C	S/B/D/G/U/M *

*Not available yet

- S** Strip Pouches
- B** Sample Buffer
- M** Instruction Manual

- D** Dropper
- K** Grinding Stick
- G** Grinding Bag

- U** Tube Rack
- R** Results Card



Aquaculture

Animal Farms provides a controlled environment which allows mass reproduction of livestock in an economic way. However overcrowded environment and shortened individual distance higher the risk of disease outbreaks. Disease controls and prevention thus are critical for animal farms. Agitest Aquaculture Rapid Tests is able to detect the presence of finfish viruses in an early stage of disease outbreak and makes the controlling of virus more efficient.

NNV (*Nervous Necrosis Virus*)

Agitest™ Aquaculture Rapid Test – NNV is an immunochromatographic test for the detection of *Nervous Necrosis Virus* in finfish, essential screening for aqua-farms in order to prevent pathogens from entering the system, test can be completed within 15 minutes at room temperature, easy to use with high specificity and accuracy. Results are interpreted visually.



RT 10037150

Application:

Fish breeding industry, grouper breeding, food organism, quarantine screening

GIV (*Grouper Iridovirus*)

Agitest™ Aquaculture Rapid Test – GIV is an immunochromatographic test for the detection of *Grouper Iridovirus* in finfish, essential screening for aqua-farms in order to prevent pathogens from entering the system, test can be completed within 15 minutes at room temperature, easy to use with high specificity and accuracy. Results are interpreted visually.



RT 10027150

Application:

Fish breeding industry, grouper breeding, food organism, quarantine screening

Aquaculture

Art. No.	Product	Test per kit	Storage	Components
RT10037150	NNV	50	2~30 °C	S / B / D / U / M
RT10027150	GIV	50	2~30 °C	C / B / D / U / M

- S Strip pouches
- D Dropper
- C Cassette pouches
- U Tube Holder
- B Buffer
- M Instruction manual



NARD Kit

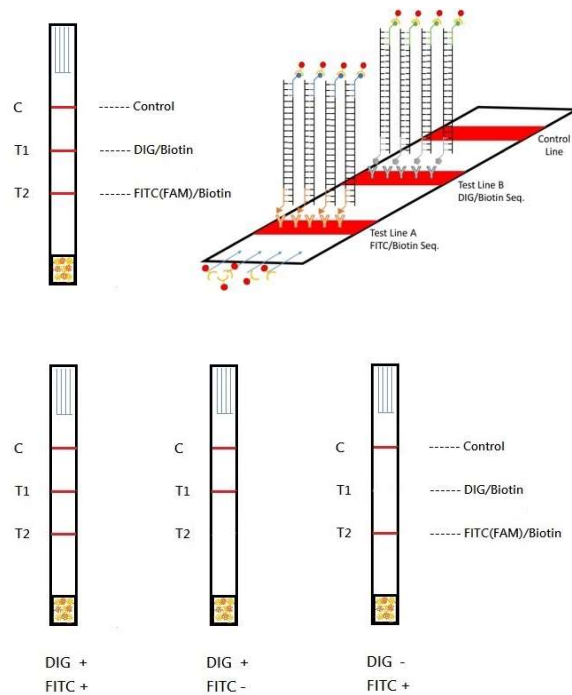
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Nucleic Acid Rapid Detection Kit



KL 10018004

Is a lateral flow immunochromatographic assay for PCR product analysis. It enables nucleic acid detection by immobilizing and colorizing FITC/Biotin (FAM/Biotin) or DIG/Biotin labeled PCR products with anti-DIG or anti-FITC (FAM) antibodies. With the strip customers can analyze PCR products without the need for conducting gel electrophoresis. Kit strip is not only possessing the merits of traditional lateral flow assay, but surpasses in sensitivity and efficiency.



Art. No.	Product	Test per kit	Storage	Components
KL10018004	NARD	100	2~8 °C	S / B / M

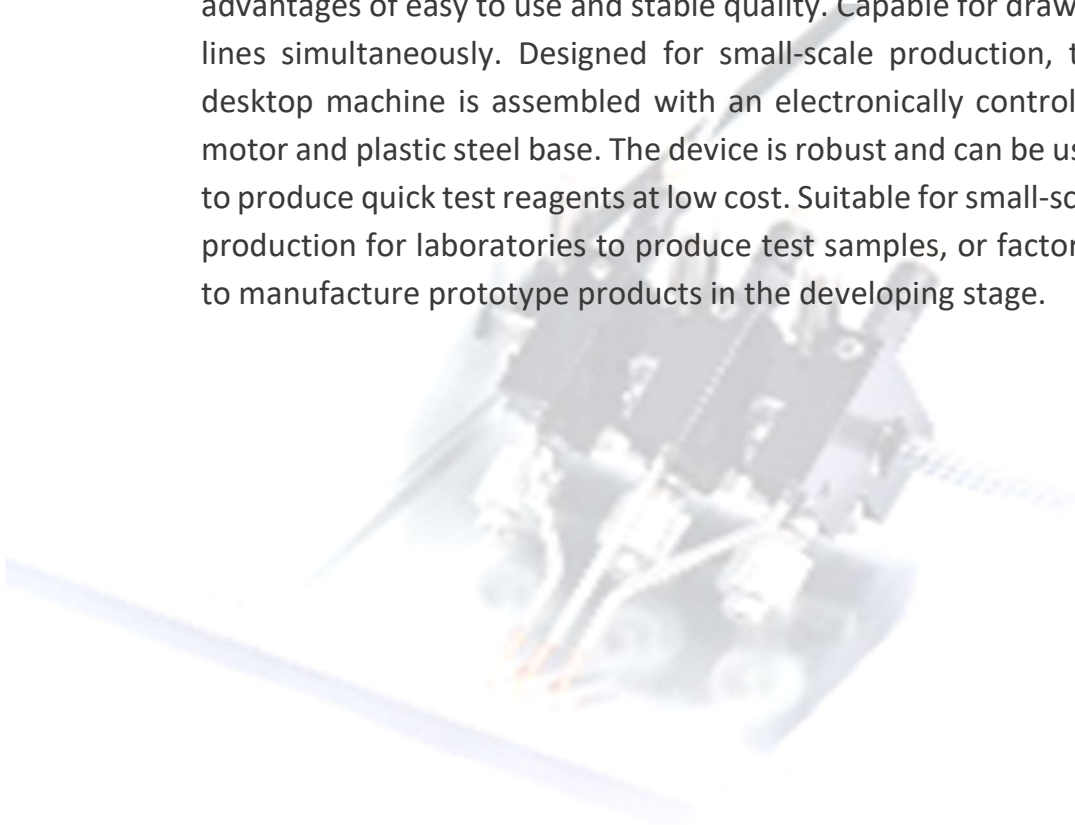
- S** Strip pouches
- B** Buffer
- M** Instruction manual

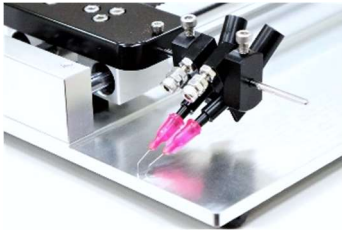
Instrument

Strip manufacturing

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A device for developing and producing rapid test reagent with advantages of easy to use and stable quality. Capable for drawing lines simultaneously. Designed for small-scale production, this desktop machine is assembled with an electronically controlled motor and plastic steel base. The device is robust and can be used to produce quick test reagents at low cost. Suitable for small-scale production for laboratories to produce test samples, or factories to manufacture prototype products in the developing stage.





NP 90023801

RP-1000

Agismart™ Rapid Test Printer - RP1000 is a device for developing and producing rapid test reagent. It is easy to use, and has a stable quality. RP-1000 can draw two lines simultaneously, also possesses extra functions such as speed control, and adjustable line thickness. RP-1000 is ideal for use in laboratories and small-scale production.



NP 90068801

RP-2000 (A+B)

Agismart™ Rapid Test Printer - RP2000 is a device for developing and producing rapid test reagent. It is easy to use, and has a stable quality. RP-2000 can draw two to three lines simultaneously with extra nozzles. It possesses extra functions such as speed control, and adjustable line thickness. Compare to RP-1000, it provides an additional quantitative function that allows users to draw gold-Ab conjugation on gold-pad, and to control the ejecting amount of liquid. RP-2000 is perfect for use in laboratories and small-scale production.



NP 90044801

RT-2100

Portable Rapid Test Reader - RT2100 is a portable reader, which provides an objective numerical value for rapid test results, distinguish the differences of colors from various biochemical reactions and analyze the reactants to provide quantitative result. RP-2100 also equips USB interface allowing outputs of test results for further data analysis.

Instruments

Rapid Test Printer


Art. No.	Product	Max. Length	Dispense line	Min. Volume	Dimension
NP90044801	RP-1000	300 mm	2 lines	100 µL	236x104x94.5 mm
NP90068801	RP-2000	300 mm	2~3 lines	75~250 µL	A 600x170x117 mm B 224.5x133x129 mm

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Rapid Test Reader

Art. No.	Product	Detector	Display	Dimension
NP90044801	RT-2100	CMOS	5" resistive touch panel	236x104x94.5 mm





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