



**Personal  
Protective  
Equipment**

**Virus Collection Kit  
RT-PCR Test**

*COVID-19 Response*

**BESCAN**



# Filtering Facepiece Respirator

Model: KN95 FFP2

Test Standards:  
EN149:2001+A1:2009

In accordance with:  
(EU) 2016/425

ISO9001:2015

Effective filtration >95

BS000013-M-DZ

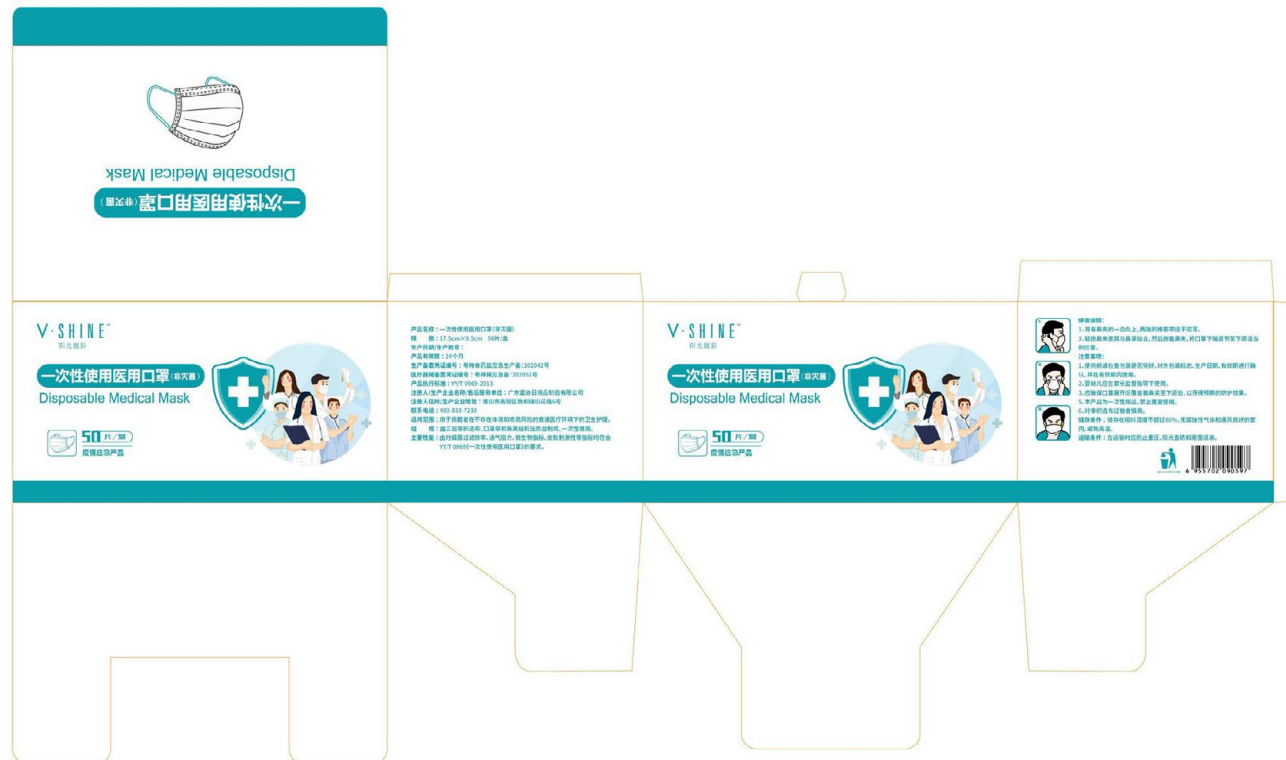


# Disposable Surgical Masks

Test Standards:  
EN 14683- 2005

In accordance with:  
93/42/EEC

BS000014-LTB

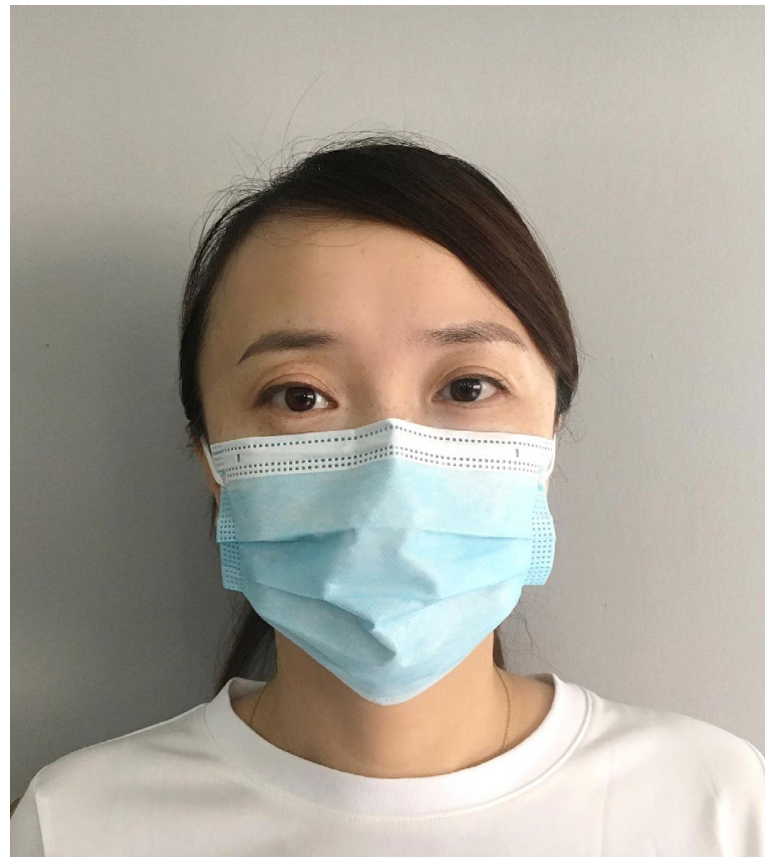
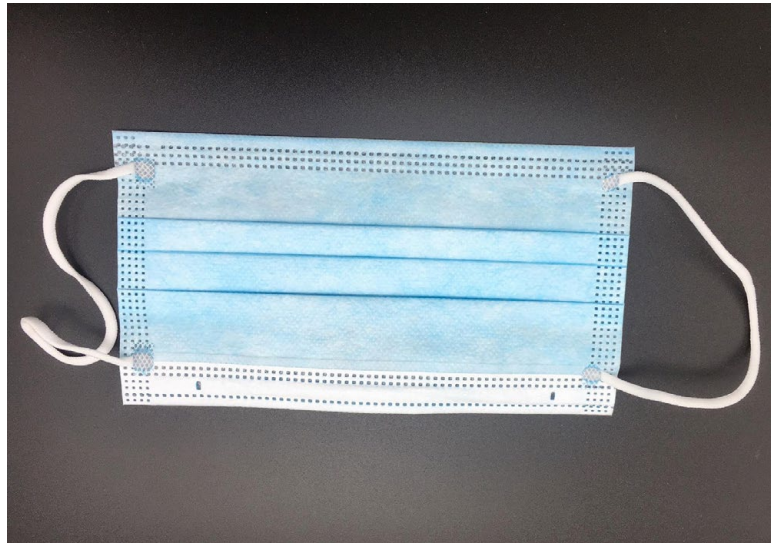


# Disposable Surgical Masks

CE  
Medical devices Directive  
Directive 93/42/EEC annex VII

Class I (non sterile)

BS000018



# Disposable Medical Protective Coverall

## Test Standards:

EN14126 (Protection against  
Biological Hazards)  
Type 4(Protection against  
saturated liquid splash)  
FDA 510-K (Further update)

## Material:

PP (Polypropylene) and  
PE (Polyethylene). Su-  
per-lightweight material with  
High strength and durability  
Coating material for water-  
proof

## Functional Features:

High level of protection  
against liquid, harmful dry  
particles and viruses  
Waterproof against blood,  
bacteria and viruses, an-  
tistatic, moisture per-  
meable,whole body protec-  
tion

BSKK-01P (M or L)  
BSKK-01P



**Made in Korea**

# Protective Coverall

EQU-60LM

Non-Breathable  
Laminated  
Fabric

BS-EQU-60LM

## EQU-60LM OVERALLS

These overalls provide protection against hazardous dusts. It is ideal for several applications, particularly for hazardous dusts such as asbestos through its non-breathable fabric. It is favorable for use in many environments through its non-breathable nonwoven fabric. It is covered with lamination for extra strong protection against liquids.

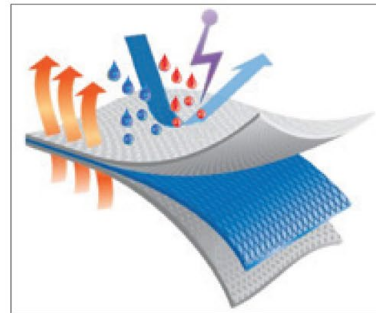


## Technical Specifications

| Fabric Material                 | Size                | Color | Carton Content | Packaging | Standards  |
|---------------------------------|---------------------|-------|----------------|-----------|--|
| Non-Breathable Laminated Fabric | M<br>L<br>XL<br>XXL | White | 60 Pieces      | 1 Piece   | EN 13982-1 (Type 5)<br>EN 13034 (Type 6)<br>EN 1073-2<br>EN 1149-5<br>EN 14126 |

### FABRIC TEXTURE

Receives heat from your body by transferring and prevents sweating. Offers a barrier quality against several low concentrated inorganic chemicals and particulates.



### STANDARDS

These health overalls in the are designed circumstances to protect considered against as not hazards be which recognized may by the cause user serious definci and in PPE irremediable Directive damage particulates, 89/686/EEC and limited-protection life-threatening. This performance product against has passed liquid tests chemicals, of performance protection against performance airborne against solid protective Radioactive Performance clothing, particle Characteristics Material contaminations, against performance chemical Pathogen and design protection, Organisms features. and electrostatic Testing properties Methods.



EN 14126



EN 1073-2



EN 1149-5



TYPE 6  
EN 13034



TYPE 5  
EN ISO 13982-1



EN 1073-2

### EN 1073-2 PROTECTIVE CLOTHING AGAINST RADIOACTIVE CONTAMINATION

**SECTION 2:** Requirements and test methods far non-ventilated protective clothing against particulate radioactive contamination

#### REQUIREMENTS:

This Standard specifies the requirements and test methods far non-ventilated protective clothing protecting the wearer against particulate radioactive contamination. Such clothing is intended ta protect only the body, arms and legs of the wearer, but it may be used with accessories which provide protection ta additional areas of the wearer (e.g. boots, gloves). Protection ta these other areas is specified in other European Standards. This standard does not apply far the protection against ionizing radiation and the protection of patients against contamination with radioactive substances by diagnostic and/or therapeutic measures.



EN 1149-5

### EN 1149-5 PROTECTIVE CLOTHING- ELECTROSTATIC PROPERTIES

**SECTION 5:** This standard is part of a series of standards for test methods and requirements for electrostatic properties of protective clothing. Different parts are necessary, because of the

various fields of application and materials. This standard covers a test method for measurement of the vertical electrical resistance of protective clothing. This standard is not applicable for protection against mains voltages.



EN 14126

### EN 14126 PERFORMANCE REQUIREMENTS AND TEST METHODS FOR PROTECTIVE CLOTHING AGAINST INFECTIVE AGENTS

This standard specifies requirements and test methods for re-usable and limited use protective clothing providing protection against infective agents. Clothing worn by surgical teams or drapes laid on patients to prevent cross-contamination during surgical interventions, are not covered by the scope of this standard.

**REQUIREMENTS:** Protective clothing against infective agents has two main functions:  
- to prevent infective agents from reaching the (possibly injured) skin;  
- to prevent the spreading of infective agents to other people and other situations, e.g. eating or drinking, when the person has taken his protective clothing off.

| SIZE TABLE |         |         |         |         |
|------------|---------|---------|---------|---------|
|            | M       | L       | XL      | XXL     |
| HEIGHT     | 170-176 | 176-182 | 182-188 | 188-194 |
| BREAST     | 92-100  | 100-108 | 108-116 | 116-124 |

# Disposable Surgical Gown

## Test Standards:

EN 13795

Conform requirements of EU  
Medical Devices Directive  
93/42

ISO13485:2016

SSS non-woven fabric  
(blue / white)

## Functional Features:

Antibacterial,  
hydrophobic, breathable, no  
dander.

## Application Scope:

Used for general isolation in  
out-patient, ward and labora-  
tory of medical institution.

BS000002-M-TK





# Disposable Medical Gown (Full body)

## Test Standards:

EN 14126

Conform requirements of EU  
Medical Devices Directive  
93/42/EEC

ISO13485:2016

SF, non-woven fabric

## Functional Features:

Waterproof, bacteriostatic,  
moisture permeable, full  
body protection.

## Application Scope:

Used for general isolation in  
out-patient, ward and labora-  
tory of medical institution.

BS000003-M-TK



# Sterilizable Medical Gown

## Test Standards:

EN 13795-1:2019

Conform EU Medical Devices  
Directive 93/42/EEC

ISO13485:2016  
YY/T0506

Long fiber polyester fabric

## Functional Features:

Water-proof, anti-bacteria,  
anti-static, non-flocculation,  
repeated use up to 105  
times.

## Application Scope:

The product is not sterilized  
when it leaves the factory. It  
must be sterilized by the user  
before use. It can be reused  
after sterilization.

BS000006-M-TK



# Sterilizable Medical Coverall

## Test Standards:

EN 14126

Conform EU Medical Devices  
Directive 93/42/EEC

ISO13485:2016

Long fiber polyester fabric

## Functional Features:

Water-proof, anti-bacteria,  
anti-static, non-flocculation,  
repeated use up to 50 times.

## Application Scope:

It is used for wearing on the  
body of anesthesiologists,  
itinerant nurses, in the opera-  
ting room. this is to prevent  
contamination in the opera-  
ting room by indoor person-  
nel.

BS000007-M-TK



# Single-use Medical Protective Overboot

## Test Standards:

EN 14126

Conform EU Medical Devices  
Directive 93/42/EEC

ISO13485:2016

SF, non-woven fabric

## Functional Features:

Waterproof, antibacterial,  
moisture-permeable, brea-  
thable.

## Application Scope:

For clinical medical person-  
nel in the work of contact  
with patients with potential  
infectious blood, fluids, secre-  
tions for provide barrier and  
protection.

BS000004-M-TK



# Single-use Medical Protective Hood

## Test Standards:

EN 14126

Conform EU Medical Devices  
Directive 93/42/EEC

ISO13485:2016

II type: Flat Cap  
SSS non-woven fabric

## Functional Features:

Antibacterial, hydropho-  
bic, breathable, no dander.

## Application Scope:

Used for general isolation in  
out-patient, ward and labora-  
tory of medical institution.

BS000005-M-TK



# Medical Face-Shield

## Test Standards:

EN 14126

Conform EU Medical Devices  
Directive 93/42/EEC

ISO13485:2016  
YY/T0506

Medical polymer materials

## Functional Features:

Isolation protection, comfortable to wear, high-definition ultra-transparent.

## Application Scope:

It is used in medical institutions to prevent body fluids, blood splashes or splashes during examination and treatment.

BS000008-M-TK



# Medical Google

## Test Standards:

EN 166

ANSI/ISEA Z87.1

EU PPE Regulation 2016/425

ISO13485:2016

Medical polymer materials

## Functional Features:

Isolation protection, comfortable to wear, high-definition ultra-transparent

## Application Scope:

It is used in medical institutions to prevent body fluids, blood splashes or splashes during examination and treatment.

BS000009-M-ZSR ST

BS000009-M-ZSR Premium



# Surgical Gloves Sterile

EN1041- EN15223  
EU Directive 89/686/EEC  
CE0123

Latex or Vinyl  
Sterile  
Powder-free  
Micro textured  
100% tested



BS000015-M-AY (Latex)  
BS000016-M-FS (Vinyl)





# SVIEW

Anti-fog and  
anti-bacterials protective  
shield

SHM-SG  
Hygiene Mask single package  
(1 frame + 1 film)

SHM-BOX-SD  
Hygiene Mask standard pac-  
kage (2 frames + 10 films)

F-SHM-SD  
Refill Film 1pc

## *Premium* **HYGIENE MASK**



# Sview

## ANTI-FOG + ANTI-BACTERIAL

### Excellent in Anti-Bacteria

We got the SGS test certificate of 99.9% anti-bacterial performance for the combined Anti-Fog and Anti-Bacterial film in the world first! It will keep you safe from Colon Bacillus and Staphylococcus, and so on.

### Perfect Safety

During surgical operation, it protects your face from hazardous contaminants or unsafe substance.

### Anti-fog function

Cause of Anti-fog coating, there is no condensation by breathing on the film surface.

### Easy Assemble / Disassemble

Unique design with easy assemble and disassemble into the locks of goggle frame by pushing and pulling the film without any hooks.

### Comfortable

PC-ABS material goggle gives you feel light and comfortable, and it also can be wearable on the glasses.

### Perfect Contents

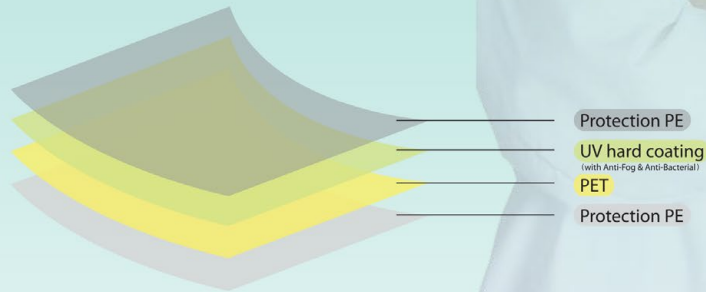
HYGIENE Mask is packed with perfect composition of two of high quality frames and ten pcs of films. (Anti-fog & Anti-bacterial)

### Economical Feasibility

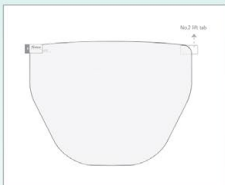
It can be reusable just by washing the film, when got dirty.

### Optimum Size

Perfect HYGIENE mask with larger area to cover the face than any others. Shield type mask covering the whole face can protect your face safe perfectly from any hazardous contaminants.



### User Manual



1. Remove both No. 1, 2 protect film.  
양쪽면의 1,2번 보호필름을 벗겨냅니다.



2. Insert the film into the goggle locks.  
(Place S-view logo printed side out)  
필름과 안경테의 양쪽 프레임에 맞추어 연결합니다.  
(S-view 로고가 있는 면이 바깥쪽으로 향하게 합니다.)



3. Frame should be located under the logo.  
필름을 끼우고 로고 아래부분에 안경테의 프레임이  
위치하도록 합니다.



4. Put mask on the face.  
Then move it back and forth to adjust.  
마스크를 얼굴 전면에 착용하고 필름을 상하로  
움직여 조절합니다.

### Standard Package



### Single Package



### REMARKS;

- \* Origin : Republic of Korea
- \* HS Code : 3926.90.9000
- \* Frame Color : Black Only
- \* Refill Film Packing : 10pcs in the OPP

# Virus Collection Kit

Directive 93/42/EEC Annex VI  
Specimen Collection swab  
UMDNS-Code: [13914]

1pc transport medium  
sampling tube

PP 10ml with 3ml VTM liquid  
1pc nasal flocked swab  
Sterile pack

04NSWK-02-PP10MLVTM-KIT



# GenePro COVID-19 Detection Test kit

One-Step Real-time RT-PCR  
Test

CV001- GenePro

COVID-19 Detection Test- 100  
tests/kit

## GenePro COVID-19 Detection Test

**GenePro COVID-19 Detection Test kit** is developed based on “WHO interim guidance for laboratory testing for 2019 novel coronavirus (SARS-CoV-2) in humans” by WHO (World Health Organization), and qualitatively detects RdRP gene / E gene simultaneously. RdRP gene has specific sequence from SARS-CoV-2 and E gene is common sequence within coronaviruses. The validity of RT-PCR reaction is confirmed by using RNA template (SARS-CoV-2) as positive control.

- I Guidance** ..... Developed in accordance to the WHO guideline for 2019 novel coronavirus (SARS-CoV-2) testing
- I Target gene** ..... RdRP gene, E gene
- I Performance** ..... Sensitivity : 1 copy /  $\mu$ L
- I RT-PCR Enzyme** ..... SuperScript III RT/Platinum Taq Mix
- I Running Time** ..... < 1.5 hrs after RNA extraction
- I PCR Instruments** ..... ABI7500 / CFX96
- I Reporting** ..... Positive / Not detected / Inconclusive

### Target Genes(RdRp, E) Recommended by WHO

GenePro COVID-19 Detection Kit has been developed in accordance to the WHO guideline for 'Laboratory testing of 2019 novel coronavirus (SARS-CoV-2).'

### Highest Performance Enzyme

'SuperScript III RT/Platinum Taq DNA polymerase' provides highest detection sensitivity and specificity with minimum amount of sample avoiding false positive and false negative.

### Highest Accuracy

High target specificity & low false negative rate. Optimal primer and probe design facilitates minimal false positive and false negative results. RdRP and E gene have been designed to react in separate tubes, allowing the highest accuracy of the test results.

### RNA Positive Control

The test monitors the whole real-time RT-PCR process including reverse-transcription and amplification. DNA as positive control can verify the amplification process of DNA, but cannot confirm the reverse-transcription process from RNA to DNA.



# Specification

## 01 Genetic Assay

### RT-PCR Reaction

| Component          | Volume per reaction |
|--------------------|---------------------|
| Oligo Mix (1 or 2) | 4 µL                |
| Reaction Mix A     | 12.5 µL             |
| Reaction Mix B     | 2.5 µL              |
| Enzyme             | 1 µL                |
| Template RNA       | 5 µL                |
| <b>Total</b>       | <b>25 µL</b>        |

### Plate Design

|   | 1               | 2               | 3             | 4             |
|---|-----------------|-----------------|---------------|---------------|
| A | NC<br>OM1       | NC<br>OM2       | Sample<br>OM1 | Sample<br>OM2 |
| B | PC<br>OM1       | PC<br>OM2       | Sample<br>OM1 | Sample<br>OM2 |
| C | Sample 1<br>OM1 | Sample 1<br>OM2 | ⋮             | ⋮             |
| D | Sample 2<br>OM1 | Sample 2<br>OM2 | ⋮             | ⋮             |

## 02 Data Analysis and Interpretation

- Set the Baseline Threshold as 3,000 for CFX96.
- Set the Baseline Threshold as 100,000 for ABI7500.
- Interpretate the results according to Ct values (<40).

| RdRP Gene | E Gene | Result Interpretation   |
|-----------|--------|-------------------------|
| +         | +      | SARS-CoV-2 Positive     |
| -         | -      | SARS-CoV-2 Not Detected |
| -         | +      | SARS-CoV-2 Not Detected |
| +         | -      | Inconclusive*           |

\*Inconclusive : Recommend to re-test the specimen

## 03 Clinical Evaluation

### Comparative Analysis

| GenePro COVID-19 |          | Comparative test |           | Total      |
|------------------|----------|------------------|-----------|------------|
|                  |          | Positive         | Negative  |            |
| GenePro COVID-19 | Positive | 46               | 0         | 46         |
|                  | Negative | 1                | 53        | 54         |
| <b>Total</b>     |          | <b>47</b>        | <b>53</b> | <b>100</b> |

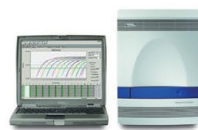
- OPA (Overall Percent Agreement) : 99.0%
- PPA (Positive Percent Agreement) : 97.9%
- NPA (Negative Percent Agreement) : 100.0%

## 04 Instrument System

### CFX96 (Bio-Rad)



### ABI 7500 (Applied Biosystems)



## Ordering Information

| Cat no. | Product                         | Size          |
|---------|---------------------------------|---------------|
| CV001   | GenePro COVID-19 Detection Test | 100 tests/kit |

# Key Advantages of Gencurix's GenePro COVID-19 Detection Test



## I. Target Gene

GenePro COVID-19 Detection Test Kit has been developed in compliance to the WHO guideline for 'Laboratory testing of 2019 novel coronavirus (2019-nCoV).' It allows precise detection of RdRP and E gene in comparison to other commercially available tests.

## II. RNA as Positive Control

RNA virus extracted from the specimen is reverse-transcribed and then amplified by RT-PCR. DNA as Positive Control can verify the amplification process of DNA, but cannot confirm the reverse-transcription process from RNA to DNA. GenePro COVID-19 Detection Test Kit's Positive Control can monitor and verify the entire PCR process.

## III. Highest Accuracy

Superior sensitivity and specificity are crucial in precise diagnosis. GenePro COVID-19 Detection Test Kit's optimal Primer design facilitates minimal false positive and false negative results. Moreover, in order to avoid interference and competitive reactions commonly faced with Multiplex process, RdRP and E gene have been designed to react in separate tubes, allowing the highest accuracy of the test results.

## IV. Best-performing Enzyme

In order to amplify each target genes, DNA polymerase of superior performance is required. Thermo Fisher's 'SuperScript III RT/Platinum Taq polymerase' has been praised as one of the best enzymes in Single Plex by researchers around the world. Gencurix's GenePro COVID-19 Detection Test is almost the only test that has selected such premium enzyme for COVID-19 detection

# Why Us?

BESCAN

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**Requirements:** Bescan and its partners in China; South Korea; United States and Turkey went through a rigorous qualification process based on the WHO recommendations. We have selected the products that only comply with the highest standards. In addition to the control our partners are implementing locally, we also cooperate with a renowned inspection company at the final phase for issuance of a certificate to ensure the quality and quantity of the consignments (Q & Q). This process adds a significant value to Bescan's operations which enable us to offer the necessary accuracy and trust.



**Supplier Credibility:** Bescan have drawn upon sound relationships with local industrial business owners of the Zhejiang region in China, Turkey and South Korea to produce equipment of the right quality, at the right production volume and at the right time. Bescan benefits from the support of the local authorities and has secured every step of the supply chain to make sure the products are manufactured, shipped, exported and delivered.



### Transportation Tracking:

Bescan's logistics network ensures the right shipments to move from factories to consignees under the right conditions. We are in constant communication with freight forwarders, logistic operators and large public organizations to minimize the impact of freight forwarding rate on the overall cost of the PPE. For urgent requirements, the direct cargo flight remain the most efficient and secure shipping mode. Wherever possible, Bescan is committed to provide all the available shipping options that suit the best your organization.



### Customs Certifications:

Customs Certifications are validated and allow Bescan rapid transportation of equipment internationally



### Financial Payments:

Due to the current demand, manufacturers and freight companies are working on upfront payment system, therefore Bescan is committed to prioritize credible purchase requests only.