

MATERIAL SAFETY DATA SHEET

SECTION 1 IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

Product name: COVID-19 Antigen Detection Kit - Nasal Swab

Brand: NEWGENE

Manufacturer: New Gene (Hangzhou) Bioengineering Co., Ltd.

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SECTION 2 HAZARDS IDENTIFICATION

Hazard classification according to GHS: The product is not dangerous and it has no hazardous classification.

Label elements: Hazard pictograms: None, **Signal word:** None.

Hazard statements: None

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Characterization: Substances

List of ingredients

1. PVC sheet

Component	CAS #	% W/V
PVC	9002-86-2	≤100%
Acrylic (Acrylate)	7910-7	<1%

2. Nitrocellulose membrane coated with a control line and a test line

Component	CAS #	% W/V
Nitrocellulose	9004-70-0	≤100%
Antibody	N/A	<3%
Disodium hydrogen phosphate	10039-32-4	<0.5%
Sodium dihydrogen phosphate	13472-35-0	<0.1%
NaCl	7647-14-5	<1%
Water	7732-18-5	> 95%

3. Absorbent Paper

Component	CAS #	% W/V
Cellulose microcrystalline	113669-95-7	≤100%

4. Sample Pad & Conjugate Pad

Component	CAS #	% W/V
Fiberglass	65997-17-3	≤100%

5. Desiccant

Component	CAS #	% W/V
Silica gel	112945-52-5	≤100%

6. Foil pouch and label

Component	CAS #
Poly(Ethylene Terephthalate)	25038-59-9

Aluminium	7429-90-5
Polypropylene	N/A

7. Sample Extraction Solution

Component	CAS #	% W/V
Tris	77-86-1	<1%
NaCl	7647-14-5	<1%
Bovine serum albumin	9048-46-8	<1%
Casein	9000-71-9	<1%
Water	7732-18-5	> 95%

8. Sample Extraction Tube

Component	CAS #	% W/V
Polyethylene	9002-88-4	≤100%

The unit does not contain any human source material.

SECTION 4 FIREFIGHTING MEASURES

Extinguishing Media: Water, carbon dioxide, multipurpose dry chemical or halon-fire extinguisher.

Unusual Fire and Explosion Hazards: None.

Special Protective Equipment for Fire-fighter: Wear self-contained breathing apparatus for fire fighting if necessary.

SECTION 5 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: The composition doesn't contain chemicals or materials harmful to the human body.

Environmental Precautions: The composition doesn't contain chemicals or materials harmful to the environment.

Methods and material for containment and cleaning up: Absorb with liquid-binding material (absorbent paper, sand, universal binders, sawdust, etc.) and remove.

SECTION 6 HANDLING AND STORAGE

Precautions for handling: Wash the hand thoroughly after handling.

Information about protection against explosions and fires: This solution is not flammable

Precautions for storage: Store at 2-30°C in original sealed package.

SECTION 7 PHYSICAL AND CHEMICAL PROPERTIES

Appearance, Color, Odor: transparent colorless odorless liquid

pH: no data available

Boiling Point: no data available

Melting Point: no data available

Flash Point: no data available

Ignition temperature: no data available

Low Explosion Limit: no data available

High Explosion Limit: no data available

Vapor pressure (kPa): No data available.

Vapor density (air = 1): No data available

Relative density (water = 1): No data available

Solubility (mg/L): No data available.

Octanol/water partition coefficient: No data available

Auto-ignition temperature (°C): No data available

Decomposition temperature (°C): No data available

Viscosity: No data available

Others: Resistance value: No data available

SECTION 8 STABILITY AND REACTIVITY

Stability: Stable under recommended storage conditions.

Possibility of hazardous reactions: No data available.

Incompatible materials: Strong oxides, strong acids, strong bases.

Hazardous decomposition products: Under norm conditions of storage and use, hazardous decomposition products should not be produced.

Conditions to Avoid: Excessive heat, direct sunlight exposure

SECTION 9 TOXICOLOGICAL INFORMATION

Acute Toxicity: LD/LC50 values that are relevant for classification: no data available

Sensitisation: no data available

Chronic Toxicity (Target Organ Effects): no data available

Reproductive and Developmental Toxicity: no data available

Carcinogenicity: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Potential Health Effects:

Inhalation: no data available

Ingestion: no data available.

Skin: no data available.

Eyes: no data available.

SECTION 10 ECOLOGICAL INFORMATION

Toxicity: This solution doesn't contain toxic chemicals or materials.

Bioaccumulative potential: This solution does not contain chemicals that have known bio-accumulative potential.

Mobility in soil: Product mobility in soil is low.

Persistence and Degradability: no data available

Ecotoxicity effects: no data available

Further Information on Ecology: no data available

Other adverse effects: no data available

SECTION 11 DISPOSAL CONSIDERATIONS

Disposal considerations: The solution can be discarded with household waste.

SECTION 12 TRANSPORT INFORMATION

Land Transport (ADR/RID): Not dangerous goods.

Air Transport (ICAO/IATA): Not dangerous goods.

Maritime Transport (IMO-IMDG): Not dangerous goods.

SECTION 13 REGULATORY INFORMATION

SARA 302 Components: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

EINECS , TSCA , DSL IECSC , NZioC , PICCS ,KECL , AICS Status: This product does not contain any hazardous ingredients above trigger levels.

EEC Classification and Labeling: None required.

SECTION 14	OTHERS
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The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. New Gene (Hangzhou) Bioengineering Co., Ltd. shall not be held liable for any damage resulting from handling or from contact with the above product.