

Material Safety Data Sheet

1. IDENTIFICATION OF PRODUCT AND SUPPLIER

Product name: SARS-CoV-2 IgM/IgG Antibody Assay Kit (Immunochromatography)

Distributor: Fivephoton Biochemicals

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San Diego, CA 92117

Tel: 800.462.4507 Email: customersupport@fivephoton.com web: www.fivephoton.com

FOR RESEARCH USE ONLY. NOT FOR DIAGNOSTICS OR THERAPEUTICS.

The end user is required to be equipped and knowledgeable about handling potential biohazards from samples, and have facilities and protocols in place to dispose of biological hazards and materials.

2. CHEMICAL CHARACTERISATION / INFORMATION ON INGREDIENTS

1. Test card: the test card consists of a plastic card and a test strip. The test strip consists of a nitrocellulose membrane (the detection area is coated with mouse anti-human IgM antibody and mouse anti-human IgG antibody, and the quality control area is coated with rabbit anti-chicken IgY antibody), gold pad (sprayed with colloidal gold-labeled SARS-CoV-2 recombinant antigen and chicken IgY antibody), sample pad, absorbent paper, and PVC board.

2. Buffer solution: containing phosphate buffer solution (pH6.5-8.0)

3. HAZARDS IDENTIFICATION

ROUTE OF ENTRY/EXPOSURE

SKIN CONTACT: [x] EYE CONTACT: [x] INHALATION: [x] INGESTION: [x] SKIN ABSORPTION [x]

Effects of acute exposure:

SKIN CONTACT: May cause irritation.

EYE CONTACT: May cause irritation.

INGESTION: May be harmful if ingested.

INHALATION: May cause irritation to mucous membranes and upper respiratory tract.

Effects of chronic exposure: No data available.

SENSITIZATION TO PRODUCT: Not Available

SYNERGISTIC PRODUCTS: Not Available

LD50: MOPSO: Not Available

4. FIRST AID MEASURES

SKIN: In case of contact, immediately flush area with plenty of water.

EYES: Immediately flush eyes with plenty of water for at least 15 minutes and get medical attention.

ORAL: If ingested drink plenty of fluids and contact a physician.

INHALATION: If inhaled move victim to fresh air. If not breathing give artificial respiration. If breathing is difficult give oxygen, and call physician.

5. FIRE-FIGHTING MEASURES

Flammable: NO

Extinguishing media: As appropriate for fire in surrounding materials.

Flash point: Not Applicable

Upper flammable limit: Not Applicable

Lower flammable limit: Not Applicable

Auto-ignition temperature: Not Applicable

Hazardous combustion products: No data

Explosion data

Sensitivity to mechanical impact: Not Applicable

Sensitivity to static discharge: Not Applicable

Unusual fire and explosion hazards: No Data

6. ACCIDENTAL RELEASE MEASURES

Local exhaust: Not Required

Protective clothing: Lab Coat

Protective gloves: Rubber/Latex

Eye protection: Safety glasses

Other precautions: Avoid contact and inhalation, do not get in eyes, on skin or clothing. Do not pipet by mouth. Wash contaminated clothing before reuse.

Respiratory protection: None normally required.

Leak and spill procedure: Absorb small leaks or spills with sponge, mop up large spills with plenty of soap and water.

7. HANDLING AND STORAGE

Handling: Normal precautions for handling chemicals must be observed.

Storage: Store the test kit at 2°C-30°C, with a valid period of 6 months. Test strip should be used within 20 minutes once the foil pouch is opened. The date of manufacture and expiry date are shown on the label.

Shipping regulations: Not regulated

8. EXPOSURE CONTROLS / PERSONNEL PROTECTION

Refer to point No. 6.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Divided into two parts: detection card (solid) and buffer (liquid).

Appearance and odor: Buffer is clear or light yellow liquid reagent.

Odor threshold: NO odor.

Vapor pressure: Not Available

Vapor density: Not Available

Specific gravity: Not Available

Evaporation rate: Not Available

Melting point: Not Available

Boiling point: Not Available

Solubility in water: Not Applicable

Coefficient of oil/water distribution: Not Available

10. STABILITY AND REACTIVITY

Stable: Yes

Hazardous polymerization: Will not occur.

Incompatibility with other substances: Not Available

Hazardous decomposition products: Not Available

11. TOXICOLOGICAL INFORMATION

Refer to point No. 3.

12. ECOLOGICAL INFORMATION

Water Hazard Class: Data not yet available.

13. DISPOSAL CONSIDERATIONS

Waste disposal: Liquid waste dilute with large volumes of water and dispose of into sewer system, in accordance with local regulations. Solid waste is disposed of in accordance with applicable federal, state, provincial, and local regulations.

14. TRANSPORT INFORMATION

Shipping information: Not regulated

15. REGULATORY INFORMATION

Not applicable.

16. OTHER INFORMATION

The information herein is believed to be correct as of the date hereof but is provided without warranty of any kind. The recipient of our products is responsible for observing any laws and guidelines applicable.