

SAFETY DATA SHEET

SDS DATE: January 12, 2021



SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Coronavirus Enhanced RT-qPCR Detection Kit

PRODUCT CODES: Cat. # K1484-100

RESTRICTIONS ON USE: For laboratory research purposes. Not for drug or household use.

MANUFACTURER: BioVision, Inc.

ADDRESS: 155 S. Milpitas Boulevard, Milpitas, CA 95035

EMERGENCY PHONE: 858-373-8066

OTHER CALLS: 408-493-1800

FAX PHONE: 408-493-1801

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Components	Description	Volume	Safety Information
COVID-19 Primers/Probes	Liquid	200 µl	No hazards
2X RT-qPCR Master Mix	Liquid (contains Glycerol)	1.25 ml	See below
Positive Control Template	Liquid	100 µl	No hazards
Negative Extraction Control	Liquid	1.0 ml	No hazards
RT-qPCR Enzyme Mix	Liquid	40 µl	No hazards
Nuclease-free Water	Liquid	1 ml	No hazards

Glycerol:

Emergency Overview

OSHA Hazards: Not available

Target Organs: Eyes, Skin

GHS Classification: Not available

GHS Label elements, including precautionary statements



Pictogram:

Signal word: Warning

Hazard statement(s): Not available

Precautionary statement(s): none

HMIS Classification

Health hazard: 1

Chronic Health Hazard: 0

Flammability: 1

Physical hazards: 0

NFPA Rating

Health hazard: 1

Fire: 0

Reactivity Hazard: 0

Potential Health Effects

Inhalation: Low hazard for usual industrial handling. Inhalation of a mist of this material may cause respiratory tract irritation.

Skin: May cause skin irritation. Low hazard for usual industrial handling

Eyes: May cause eye irritation.

Ingestion: Ingestion of large amounts may cause gastrointestinal irritation. Low hazard for usual industrial handling. May cause headache.

SECTION 3: HAZARDS IDENTIFICATION

Component	CAS Number	EC-No.	Molecular Weight	Chemical Formula	Concentration
Glycerol	56-81-5	200-289-5	92.09	C ₃ H ₈ O ₃	<10%

SECTION 4: FIRST AID MEASURES

Glycerol:

General advice: Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

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If inhaled: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.
In case of skin contact: Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists. Wash clothing before reuse.
In case of eye contact: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. If irritation develops, get medical aid.
If swallowed: Never give anything by mouth to an unconscious person. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cup full of milk or water. Get medical aid if irritation or symptoms occur.

SECTION 5: FIRE-FIGHTING MEASURES

Glycerol:

Suitable extinguishing media: Use water spray to cool fire-exposed containers. Use agent most appropriate to extinguish fire. Use water spray, dry chemical, carbon dioxide, or appropriate foam.

Special hazards arising from the substance or mixture: Thermal decomposition can lead to release of irritating gases and vapors.

Advice for firefighters: Wear protective eyewear, gloves, and clothing.

Further information: Avoid inhaling gases, fumes, dust, mist, vapor, and aerosols. Avoid contact with skin, eyes, and clothing.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Glycerol:

Personal precautions, protective equipment and emergency procedures: Ensure adequate ventilation. Ensure that air-handling systems are operational. Should not be released into environment. Prevent from reaching drains, sewer, or waterway.

Methods and materials for containment and cleaning up: Wear protective eyewear, gloves, and clothing. If necessary use trained response staff or contractor. Evacuate personnel to safe areas. Keep in suitable closed containers for disposal.

SECTION 7: HANDLING AND STORAGE

Glycerol:

Precautions for safe handling: Wash thoroughly after handling. Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation. Wash clothing before reuse.

Conditions for safe storage, including any incompatibilities: Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. No special precautions indicated

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Glycerol:

Personal protective equipment:

Eye protection

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin and body protection

Wear appropriate protective gloves to prevent skin exposure. Wear appropriate protective clothing to minimize contact with skin.

Respiratory protection

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Property	Glycerol
Appearance:	Clear viscous liquid
pH:	5.5 -8
Water Solubility:	Miscible
Other Solubility:	No data available
Boiling Point (°C):	290 °C (554.00°F)
Melting Point (°C):	17.8 °C (19.94°F)
Flash Point (°C):	160 °C
Ignition Temperature (°C):	No data available
Density:	3.18

SECTION 10: STABILITY AND REACTIVITY

Property	Glycerol
Chemical stability:	Stable under recommended storage conditions.
Conditions to avoid:	Incompatible materials, ignition sources, excess heat.
Materials to avoid:	Not available
Hazardous decomposition products:	Carbon monoxide, carbon monoxide, carbon dioxide.

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SECTION 11: TOXICOLOGICAL INFORMATION

Glycerol:

Acute toxicity: LD50 Oral - rat – 12,600 mg/kg
LC50 Inhalation - rat - 570 mg/m³/1hr
Dermal – rabbit: Mild eye irritation-24 hr
Skin corrosion/irritation: no data available
Serious eye damage/eye irritation: no data available
Respiratory/skin sensitization: no data available
Germ cell mutagenicity: no data available
Carcinogenicity: Not listed as a carcinogen(ACGIH, IARC, NTP)
Reproductive toxicity: No data available
Mutagenicity: No data available

SECTION 12: ECOLOGICAL INFORMATION

Glycerol:

Persistence and degradability: Easily biodegradable
Toxicity: No data available
Bioaccumulative potential: Not bioaccumulative
Mobility in soil: Aqueous solution has high mobility in soil.
PBT and vPvB assessment: no data available
Other adverse effects: no data available

SECTION 13: DISPOSAL CONSIDERATIONS

Glycerol:

Product: Dispose of in a manner consistent with federal, state, and local regulations.
Storage: No data available

SECTION 14: TRANSPORT INFORMATION

Glycerol:

DOT (US): Not dangerous goods
IMDG: Not dangerous goods.
IATA: Not dangerous goods.

SECTION 15: REGULATORY INFORMATION

Glycerol:

OSHA Hazards: Irritant
SARA 302 Components: SARA 302: No chemical in this material are subject to the reporting requirements of SARA Title III, Section 302.
SARA 313 Components: SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title II, Section 313.
SARA 311/312 Hazards: Glycerol: Acute Health Hazard, Chronic Health Hazard
Massachusetts Right to Know Components: Glycerol, CAS-No. 56-81-5; Revision Date: 2007-03-01
Pennsylvania Right to Know Components: Glycerol, CAS-No. 56-81-5; Revision Date: 2007-03-01
New Jersey Right to Know Components: Glycerol, CAS-No. 56-81-5; Revision Date: 2007-03-01
California Prop. 65 Components: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

EU regulations

Component	Risk Phrases	Safety Phrases
Glycerol	--	--

SECTION 16: OTHER INFORMATION

DISCLAIMER:

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. BioVision, Inc., shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.