

Section 1- Identification

Product Name	Logix Smart Zika Virus Primer Mix
Product Number	ZIKV-P-003
Application of the mixture	Laboratory Chemical
Manufacturer/Supplier	Co-Diagnostics, Inc.
Address	2401 S. Foothill Drive, Ste. D
City, State, Zip, Country	Salt Lake City, UT 84109, USA
Technical Phone:	1-801-683-8994
Email:	info@codiagnostics.com
Emergency Phone:	1-801-438-1036

Section 2- Hazard(s) Identification

Hazard Description: Product is NOT CLASSIFIED AS HAZARDOUS according to the Globally Harmonized System (GHS), OSHA 29CFR1910.1200, Commonwealth of Australia [NOHSC: 1005, 1008(1999)], and the latest amendments to the European Union Directive 67/548/EC and 1999/45/EC. This product does not require a Safety Data Sheet. This product does not contain more than 1% of a component classified as hazardous and does not contain more than 0.1% of a component classified as carcinogenic.

Label elements

GHS label elements: Not applicable

Hazard pictograms: Not applicable

Classification System:

NFPA Rating (scale 0-4):

Health: 0 Flammability: 0 Reactivity: 0

HMIS Rating (scale 0-4):

Health: 0 Flammability: 0 Reactivity: 0

OSHA Hazard Overview (Criteria according to 29CFR1910.1200): Not applicable

Target Organ(s): None

Other hazards: None.

Results of PBT and vPvB assessment: Not applicable

Section 3- Composition/information on ingredients**Chemical Characterization: Mixtures**

Description: The product is a mixture of the hazardous substances listed below along with unlisted nonhazardous substances. The exact concentration percentages of the hazardous substances are withheld as a Co-Diagnostics, Inc. trade secret.

Dangerous Components: None**Non-Hazardous Components:**

N/A	Oligodeoxyribonucleic acid, unmodified	85-95%
N/A	Non-radioactive modification	5-15%
N/A	1X TE Buffer	100%

Additional information: For the wording of the listed risk phrases refer to section 15.

Section 4- First Aid Measures

General information: No special measure required.

After inhalation: Supply fresh air; get medical attention.

After skin contact: Generally the product does not irritate the skin. Remove contaminated clothing. Flush affected area with water then wash with soap or mild detergent and water. If irritation is present, get medical attention.

After eye contact: Rinse opened eye for at least 15 minutes under running water. If irritation is present, get medical attention.

After swallowing: Get medical attention.

Information for doctor:

There is no specific antidote. Treat symptomatically and supportively.

Section 5- Fire Fighting Measures**Extinguishing media**

Suitable extinguishing agents: CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Protective equipment: No special measures required

Advice for firefighters: None

Protective equipment: None required.

Section 6- Accidental Release Measures

Person-related safety precautions: Wear appropriate protective clothing and chemically compatible gloves. Place spillage in appropriate container for waste disposal.

Environmental precautions: Dilute with plenty of water. Do not allow to enter sewers/surface or ground water.

Measures for containment and clean-up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Wash contaminated clothing before reuse.

Reference to other sections: No dangerous substances are released. See section 7 for information on safe handling. See section 13 for disposal information.

Section 7- Handling and Storage

Handling

User Exposure: Observe all federal, state, and local regulations. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. Keep containers tightly closed. Use good laboratory practices for handling and storage of chemical substances. Store at or below -15°C.

Information about protection against fires and explosions: No special measures required.

Storage

Requirements to be met by storerooms and receptacles: Keep container tightly closed. Store at 4°C for use <5 days or long term at or below -15°.

Information about storage in one common storage facility: Not required.

Further information about storage conditions: None.

Specific end use(s): No relevant information available.

Section 8- Exposure Controls/Personal Protection

Control Parameters:

Components with limit values that require monitoring at the workplace:
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None

Additional information: None

Exposure Controls

Personal Protective Equipment:

General protective and hygienic measures: Use good laboratory practices for handling chemical substances of unknown toxicity.

Breathing equipment: Not required.

Protection of Hands: Protective gloves. Selection of the glove material should consider the penetration times, rates of diffusion and degradation.

Eye Protection: Wear splash proof or dust resistant goggles.

Section 9- Physical and Chemical Properties

General Information

Physical State: Fluid

Color: Colorless
Odor: Not determined
pH-value at 20°C (68°F): 8

Change in Condition
Melting point/Melting range: Undetermined.
Boiling point/Boiling range: Undetermined.
Flash point: Not applicable

Flammability (solid, gaseous): Not applicable.

Ignition temperature: Not determined
Decomposition temperature: Not determined

Auto igniting: Product is not self-igniting

Danger of explosion: Product does not present an explosion hazard.

Explosion limits:
Lower: Not determined
Upper: Not determined

Vapor pressure at 20°C (68°F): Not determined

Density: Not determined
Relative density: Not determined
Vapor density: Not determined
Evaporation rate: Not determined
Solubility in/Miscibility with Water: Fully miscible.
Partition coefficient (n-octanol/water): Not determined
Viscosity:
Dynamic: Not determined
Kinematic: Not determined

Organic solvents: 0.0%

Water: 99.7%

Solids content: 0.3%

Other information: No further relevant information available.

Section 10- Stability and Reactivity

Reactivity No further information available

Chemical stability

Thermal decomposition/conditions to be avoided: No decomposition if used according to specifications.

Dangerous reactions: No dangerous reactions known.

Conditions to avoid: No information available.

Incompatible materials: No information available.

Dangerous products of decomposition: No dangerous decomposition products known.

Section 11- Toxicological Information

Acute toxicity:

LD-LC50 values that are relevant for classification: No data available.

Route of Exposure:

Skin Contact: Possible irritant.

Eye Contact: Possible irritant.

Ingestion: Possible irritant.

Additional toxicological information: This product is not subject to classification according to internally approved calculation methods for preparations. When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

Carcinogenic categories

LARC (International Agency for Research on Cancer)	None of the ingredients are listed
NTP (National Toxicology Program)	None of the ingredients are listed
OASH-Ca (Occupational Safety & Health Administration)	None of the ingredients are listed.

Section 12- Ecological Information

Toxicity

Aquatic toxicity: Not harmful to the aquatic environment

Persistence and degradability: Not available.

Behavior in environmental systems:

Bioaccumulative potential: Not known

Mobility in soil: No information available.

Ecotoxicological effects:

Remark: Not available.

Additional information:

General notes: Water hazard class 1 (self-assessment): slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Results of PBT and vPvB assessment: Not applicable.

Other adverse effects: No information available.

Section 13- Disposal Considerations

Waste treatment methods recommendation: Appropriate method of disposal of substance or preparation: Disposal should be in accordance with applicable regional,

national and local laws and regulations. Refer to section 7: Handling and Storage and Section 8: Exposure Control/Personal Protection for additional information.

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.
 Recommended cleansing agent: Water, if necessary with cleansing agents.

Section 14- Transport Information

UN-Number DOT, ADR, AND, IMDG, IATA	Not hazardous for transportation Void
UN proper shipping name DOT, ADR, AND, IMDG, IATA	None Void
Transport hazard class(es) DOT, ADR, AND, IMDG, IATA Class	None Void
Packing group DOT, ADR, IMDG, IATA	None Void
Environmental hazards Marine pollutant	No
Special precautions for user	Not applicable
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable
UN "Model Regulation"	Void

Section 15-Regulatory information

SARA

Section 355 (extremely hazardous substances): None of the ingredients are listed.

Section 313 (Specific toxic chemical listings): None of the ingredients are listed.

TSCA (Toxic Substances Control Act):

7732-18-5 water

Proposition 65:

Chemicals known to cause cancer: None of the ingredients are listed.

Chemicals known to cause reproductive toxicity for females: None of the ingredients are listed.

Chemicals known to cause reproductive toxicity for males: None of the ingredients are listed.

Chemicals known to cause developmental toxicity: None of the ingredients are listed.

Carcinogeny Categories:

EPA (Environmental Protection Agency): None of the ingredients are listed.

IARC (International Agency for Research on Cancer): None of the ingredients are listed.

NTP (National Toxicology Program): None of the ingredients are listed.

TLV (Threshold Limit Value established by ACGIH): None of the ingredients are listed.

MAK (German Maximum Workplace Concentration): None of the ingredients are listed.

NIOSH-Ca (National Institute for Occupational Safety and Health): None of the ingredients are listed.

OSHA-Ca (Occupational Safety & Health Administration): None of the ingredients are listed.

National Regulations:

Water hazard class: Generally not hazardous to water.

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

Section 16- Other Information

The above information is believed to be correct based on our present knowledge and shall be used only as a guide. The information is applicable to the product with regard to appropriate safety precautions. This information does not guarantee the properties of the product and shall not establish a legally valid contractual relationship. Co-Diagnostics, Inc. shall not be held liable for any damage resulting from handling or from contact with the above product. See invoice or packing information for additional terms and conditions of sale.

Department issuing SDS:

Co-Diagnostics, Inc.
 Environmental Health and Safety Department
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 Salt Lake City, UT 84109
 Phone: +1(801) 683-8994

Abbreviations and acronyms:

RID	Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
ADR	Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG	International Maritime Code for Dangerous Goods
DOT	US Department of Transportation
IATA	International Air Transport Association

ACGIH	American Conference of Governmental Industrial Hygienists
EINECS	European Inventory of Existing Commercial Chemical Substances
ELINCS	European List of Notified Chemical Substances
CAS	Chemical Abstracts Service (division of the American Chemical Society)
NFPA	National Fire Protection Association (USA)
HMIS	Hazardous Materials Identification System (USA)
LC50	Lethal concentration, 50 percent
LD50	Lethal dose, 50 percent
PBT	Persistent, Bioaccumulative and Toxic
vPvB	Very Persistent and very Bioaccumulative
NIOSH	National Institute for Occupational Safety
OSHA	Occupational Safety & Health
TLV	Threshold Limit Value
PEL	Permissible Exposure Limit
REL	Recommended Exposure Limit