

SAFETY DATA SHEET

Salmonella Velox
DNA Diagnostic A/S

Revised: 2022.07.05
Replaces: NA

1. Product Identification

Product names:

Listeria Velox

Catalog no.: LV384D and LV384T

Chemical names, common names:

Not applicable

Product use:

The kit is for in vitro screening for Listeria.

Synonyms:

Not applicable

Manufacturer's name:

DNA Diagnostic A/S

Address:

Voldbjergvej 14
DK-8240 Risskov
Denmark

Emergency phone: +45 8732 3050

Business phone: +45 8732 3050

Web: www.dna-diagnostic.com

2. Hazards identification

Classification of the substance or mixture according to 1272/2008 CLP

One product component have a constituent that requires it is classified; Listeria Velox Broth.

Acute toxicity if swallowed – category 4 – H302

Eye irritation – category 2 – H319

Skin irritation – category 2 – H315

Hazard statements

H302 – Harmful if swallowed

H319 – Causes serious eye irritation

H315 – Causes skin irritation

Precautionary statements

P101: If medical advice is needed, have product container or label at hand

P102: Keep out of reach of children

P264: Wash thoroughly after use

P270: Do not eat, drink or smoke when using this product

P280: Wear protective gloves/protective clothing/eye protection/face protection

P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell

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P302+P352: IF ON SKIN: Wash with plenty of soap and water
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P330: Rinse mouth
P337+P313: If eye irritation persists: Get medical advice/attention
P501: Dispose of content and / or their container according to the separated collection system used in your municipality

Label Elements 1272/2008 CLP



Other Hazards

The product does not meet the criteria for PBT or vPvB.

Exposure limits:

No compounds in this product have defined exposure limits.

3. Composition / Information of Ingredients

This safety sheet describes the Listeria Velox kits.

The Kits LV384D and LV384T consists of four boxes:

Box 1 (LV384D):	Listeria Velox Buffer C; 4 x 25mL Deep well plates each with 96 wells, 4 pc. Sealing tapes for deep well plates, 12 pc 96 well plates (0.2 mL clear tubes) with caps, 4 x 96 Optical lids; 4 x 96
Box 1: (LV384T):	Listeria Velox Buffer C; 4 x 25mL 2 mL tubes, 400 pc. 96 well plates (0.2 mL clear tubes) with caps, 4 x 96 Optical lids; 4 x 96
Box 2 (both kits):	Listeria Velox Broth; granulate for 5L, 12 pc.
Box 3 (both kits):	Listeria Velox Bags; 16 x 25 pc.
Box 4 (frozen, both kits):	Listeria Velox qPCR mix; 4 x 96-wells Lysis Buffer E; 3 x 12 mL Additive for Lysis Buffer; 3 x 1.334 mL

The following components have a constituent that are either classified, have occupational exposure limits or biological constituents.

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Listeria Velox Broth:

CAS no.	Name	Content	Classification CLP
1132-61-2	4-morpholinopropanesulphonic acid	10 - <25%	Eye irritation – cat. 2 – H319 Skin irritation – cat. 2 – H315 STOT SE May cause respiratory irritation – cat. 3 – H335
7447-41-8	Lithium Chloride	10 - <25%	Acute toxicity – cat. 4 – oral – H302 Eye irritation – cat. 2 – H319 Skin irritation – cat. 2 – H315

pPCR reaction mix and Additive for Lysis Buffer:

CAS no.	Name	Content	Classification CLP
56-81-5	Glycerol	<10%	-

Additional information

See full text of H-phrases in section 16. Occupational limits are listed in section 8, if these are available.

Special note regarding Biological Constituents

The Biological Constituents of this product are known to be non-infectious and non-hazardous. When this product is used in conjunction with bodily fluids UNIVERSAL PRECAUTIONS SHOULD BE IMPLEMENTED.

4. First aid measures

Emergency overview

Water is the main component of all solutions.

Occupational exposure presents little or no health hazard, however there are exposure limits for glycerol see section 8.

First aid measures

Basic hygiene should prevent any problems. If contact with this product leads to reddening, inflammation, or other skin or eye irritation, flush the exposures area with running water.

Remove any contaminated clothing, taking care not to contaminate eyes. If chemical is in eyes, open victim's eyes while under gentle running water. Use sufficient force to open eye lids. Have the victim "roll" eyes. As per standard industrial practice, the recommended minimum flushing time is 15 minutes.

The victim should seek immediate medical attention if an adverse reaction has occurred. A copy of label and SDS should be given to the physician or health professional. If chemical is swallowed, and the victim is having a reaction to the product, CALL PHYSICIAN OR POISON CONTROL CENTER FOR MOST CURRENT INFORMATION. If professional advice is not available, induce vomiting. Never induce vomiting or give diluents (milk or water) to someone who is unconscious, having convulsions, or who cannot swallow.

Eye:

Flush with water in eyewash for at least 15 minutes, holding eyelids open. Remove contact lenses, clean before re-use. Obtain medical attention if symptoms develop (redness, itching, etc.)

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Skin:

Wash with plenty of soap and water for at least 15 minutes. Remove contaminated clothing, which may be washed for re-use. Obtain medical attention if symptoms develop (redness, itching, etc.).

Inhalation:

Remove person to fresh air. Obtain medical attention unless effects are mild and temporary.

Ingestion:

Give plenty of water, if conscious. If vomiting occurs naturally, wash out mouth. Be prepared to induce vomiting upon a physician's advice. Obtain medical attention if symptoms develop.

Note to Physician:

Treat symptomatically. No specific antidote.

5. Fire Fighting Measures

Fire extinguishing media

This Product is not combustible. If this product is in the proximity of a fire, use fire extinguishing materials which are appropriate the materials which are involved in the fire, eg. powder, foam, CO₂ or water fog.

Unsuitable extinguishing media

None known.

Hazardous Combustion products

Includes carbon dioxide, carbon monoxide, and dense smoke.

Advice for firefighters

Standard turnout gear ("bunker gear"). Positive pressure self-contained breathing apparatus. Prevent firefighting water from entering the environment.

6. Accidental release measures

Personal Protective Equipment

Area ventilation is generally adequate. Chemical-resistant gloves should be worn. Wear standard safety goggles or glasses. All watertight materials and rubber materials offer adequate protection. Avoid contact with eyes and skin.

Spill cleanup

Absorb spill. Common absorbent materials should be effective. Deposit in appropriate containers for removal and disposal. Wash area with plenty of water.

Environmental precautions

Avoid discharge to lakes, streams, sewers, etc. Accidental releases may be subject to special reporting requirements and other regulatory mandates.

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See also sections 8 and 13

7. Handling and storage

Storage of some materials is regulated by federal, state, and/or local laws.

Precautions for safe handling

See section 8 on exposure controls /personal protection for information on personal protection. Avoid contact with eyes and skin. The product should be used under well-ventilated conditions. Keep closed or covered when not in use.

Storage temperature

Box 1, 3, 4 and 5: store at room temperature

Box 2: Frozen, at minus 20 degrees Celcius

Storage pressure

Ambient.

Handling procedures

Keep closed or covered when not in use.

Storage Procedures

Suitable for most general chemical storage areas. Protect from direct sunlight.

Specific end uses

This product should only be used for applications described in section 1.

8. Exposure controls, personal protection

Control parameters

Occupational exposure limits EH40 (Great Britain)

Contained in product constituent qPCR mix and additive for Lysis buffer

CAS no.	Name	Limits	Comments
56-81-5	Glycerol, mist	10 mg/m ³ /8 hour TWA	-

DNEL/PNEC: -

Exposure controls

Appropriate technical measures:

Well-functioning area ventilation is generally adequate. No respiratory protection will be needed under normal operating conditions.

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General information/hygiene measures:

Smoking, consumption of food or liquid, and storage of tobacco, food or liquid, are not allowed in the workroom. Whenever you take a break in using this product and when you have finished using it, all exposed areas of the body must be washed. Always wash hands, forearms and face. Make sure that eyewash and emergency showers are clearly marked. Avoid contact with eyes and skin.

Personal Protective Equipments

Only CE marked personal protection equipment should be used. Chemical-resistant gloves should be worn (EN 374).

Wear standard safety goggles or glasses (EN 166). No respiratory protection is needed.

Wear appropriate protective clothing.

9. Physical and chemical properties

For Listeria Velox buffer, Lysis buffer, Additive for lysis buffer and Listeria Velox qPCR mix

Appearance and color

Colorless liquid

Odor

None

Boiling point

100 degrees Celsius

Melting point or range

0 degrees Celsius

pH

neutral

Vapor pressure

Not established but similar to water

Specific gravity

1.0

Solubility in water

Yes

Vapor pressure, mm Hg at 20 degrees Celsius

Similar to water

Volatiles

Not established

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Evaporation rate (water=1)

Not established

Viscosity

Not established

For Listeria Velox Broth granulate

Appearance and color

Solid at 20°C, Characteristic appearance, Beige color

Odor

Solvent

Boiling point

Non-applicable

Melting point or range

Non-applicable

pH

neutral

Vapor pressure

Not established

Specific gravity

Not established

Solubility in water

Yes

Vapor pressure, mm Hg at 20 degrees Celsius

Not established

Volatiles

Not established

Evaporation rate (water=1)

Not established

10. Stability and Reactivity

Reactivity

Stable under normal and recommended conditions.

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Chemical Stability

Stable under recommended conditions for use and storage

Conditions to avoid

Any set of conditions, which should be avoided for water. Direct sunlight. Strong oxidizers and reducers. Strong acids and bases. Alkali Metals.

Materials with which substance is incompatible

This product is not compatible with substances which are incompatible with water. Otherwise not established.

Hazardous Decomposition Products

None known

Hazardous reactions

Not expected to occur

11. Toxicological information

Only the Listeria Velox broth component of the kit is classified and the information below is for that constituent.

Potential Health Effect

In case of exposure that is repetitive, prolonged or at concentrations higher than recommended by the occupational limits, it may result in adverse effects on health depending on the means of exposure

Oral/ingestion

The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

Inhalation/respiratory

Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for inhalation. For more information see section 3.

Serious eye damage/irritation

Produces eye damage after contact

Dermal/skin corrosion/irritation

Produces skin inflammation

Specific target organ toxicity (STOT) – single exposure

Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for inhalation. For more information see section 3.

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Specific target organ toxicity (STOT) – repeated exposure

Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

Aspiration hazard

Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

Carcinogenicity

Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

Reproductive toxicity

Not classified

Additional information

Not applicable

Specific toxicology information on the substances

Identification	Acute		Genus
4-morpholinopropanesulphonic acid CAS: 1132-61-2	LD50 oral	2000 mg/kg	Rat
	LD50 dermal	Non-applicable	
	LD50 inhalation	Non-applicable	
Lithium Chloride CAS: 7447-41-8	LD50 oral	526 mg/kg	Rat
	LD50 dermal	Non-applicable	
	LD50 inhalation	Non-applicable	

12. Ecological Information

Toxicity

Not classified but avoid leakage to sewage system or surface water.

Environmental Fate (Degradation, Transformation, and Persistence)

Bio-concentration is not expected to occur

Bioaccumulative potential

Bioaccumulation is not expected to occur

Mobility in soil

No data

Result of PBT and vPvB assessment

The product does not meet the criteria for PBT or vPvB

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Other adverse effects

None known

13. Disposal Considerations

Waste treatment methods

Avoid discharge to drain and surface water Collect spills and waste in closed leak-proof containers for disposal at the local hazardous waste site.

EWC-code

15 02 02 absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances.

Contaminated packing

Packaging which contains leftovers from the product must be disposed of in the same way as the product.

14. Transport information

This product is not subject to transport regulations

UN Proper shipping name

Not applicable

UN number

Not applicable

Transport Hazard class

Not applicable

Environmental hazards - MP

Not applicable

ID number

Not applicable

Special precautions for the user

Not applicable

Transport in bulk according to Annex II of MARPOL 73/78 and IBC code

Not applicable

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15. Regulatory information

European Union

Pressure Equipment (Amendment) Regulations 2011. Chemicals (Hazard Information and Packaging for Supply) Regulations 2009. Control of Substances Hazardous to Health Regulations 2002 (as amended). Merchant Shipping (Dangerous Goods and Marine Pollutants) Regulations 1997. Reporting of Injuries, Diseases and Dangerous Occurrences Regulations 1995 (as amended). Personal Protective Equipment Regulations 2002. Personal Protective Equipment at Work Regulations 1992. Hazardous Waste (England and Wales) Regulations 2005(as amended). EC regulation 19s07/2006 (REACH) Directive 2000/532/EC. Seveso directive: 96/82/EC. EU 453/2010.

United States

TSCA: This product is solely for research and development purposes only. It may only be handled by technically qualified individuals.

Other countries

Not determined.

16: Other information

Full text of H-phrases as mentioned in section 3 for constituent of Listeria Velox Broth

Acute toxicity – cat. 4 – oral – H302

Eye irritation – cat. 2 – H319

Skin irritation – cat. 2 – H315

STOT SE May cause respiratory irritation – cat. 3 – H335

The above information was acquired by diligent search and/or investigation and the recommendations are based on prudent application of professional judgment. The information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may present unknown hazards and should be used with caution. Since DNA Diagnostic A/S cannot control the actual methods, volumes, or conditions of use, the Company shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein. THE INFORMATION IN THIS SDS DOES NOT CONSTITUTE A WARRANTY, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE.