

DeepChek® RT-PCR Assay NS5A- Drug Resistance

24 RT-PCR tests & 24 Nested-PCR tests
(K-16-NS5ADR)

Material Safety Data Sheet For Buffer, 2x

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A. Details of the Product and of the company/undertaking

Product type	Buffer, 2X
Product name	DeepChek® RT-PCR Assay NS5A-Drug Resistance, reagents: Buffer, 2X
Catalog number	K-16-NS5ADR
Manufacturer/Supplier	Advanced Biological Laboratories (ABL SA) 52-54 Avenue du X Septembre L – 2550 Luxembourg - Luxembourg Phone: (+352) 26 38 96 76 Fax: (+352) 26 38 96 30 http://diag.ablsa.com
Further information obtainable from	support@ablsa.com
Information in case of emergency	Please contact ABL S.A directly (+352) 26 38 96 76
MSDS-Number	MSDS-16-NS5ADR

B. Hazards identification

Classification of the substance or mixture	Classification (REGULATION (EC) No 1272/2008) Not a hazardous substance or mixture. Classification (67/548/EEC, 1999/45/EC) Not a hazardous substance or mixture.
Label elements	Labelling (REGULATION (EC) No 1272/2008) Not a hazardous substance or mixture.
Additional Labelling	EUH210 Safety data sheet available on request.
Other hazards	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

C. Composition/information on ingredients

Mixtures: Hazardous components	No hazardous ingredients
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D. First-aid measures

a. Description

General advice	Show this safety data sheet to the doctor in attendance.
If inhaled	Move to fresh air. If symptoms persist, call a physician.
In case of skin contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If symptoms persist, call a physician.
In case of eye contact	Remove contact lenses. Protect unharmed eye. Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	If accidentally swallowed obtain immediate medical attention. Rinse mouth with water. Never give anything by mouth to an unconscious person.

b. Most important symptoms and effects, both acute and delayed

Symptoms	No information available.
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c. Indication of any immediate medical attention and special treatment needed

Treatment	No information available.
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E. Fire-fighting measures

Suitable extinguishing media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment
Specific hazards during firefighting	Exposure to decomposition products may be a hazard to health.
Hazardous combustion products	No hazardous combustion products are known
Special protective equipment for firefighters	Wear self-contained breathing apparatus for firefighting if necessary.
Further information	In the event of fire and/or explosion do not breathe fumes.

F. Accidental release measures

Personal precautions	Use personal protective equipment. Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
Environmental precautions	Prevent further leakage or spillage if safe to do so.
Methods for cleaning up	Keep in suitable, closed containers for disposal.
Other	For personal protection see section H

G. Handling and storage

a. Precautions for safe handling

Advice on safe handling	Avoid contact with skin and eyes. For personal protection see section H. Smoking, eating and drinking should be prohibited in the application area. Dispose of rinse water in accordance with local and national regulations.
Advice on protection against fire and explosion	Normal measures for preventive fire protection.
Hygiene measures	Keep away from food and drink. Wash hands before breaks and at the end of workday. Ensure adequate ventilation, especially in confined areas. Avoid contact with the skin and the eyes. When using do not eat, drink or smoke.

b. Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers	Keep container tightly closed in a dry and well-ventilated place.
Advice on common storage	Do not store near acids.
Other data	No decomposition if stored and applied as directed.

c. Specific end uses(s)

Specific use(s)	Laboratory chemicals
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H. Exposure controls/personal protection

Control parameters	Contains no substances with occupational exposure limit values.
Eye protection	Safety glasses
Hand protection	Remarks: The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other. Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).
Skin and body protection	Choose body protection according to the amount and concentration of the dangerous substance at the work place. Footwear protecting against chemicals

I. Physical and chemical properties

Appearance	liquid
Colour	No data available
Odour	characteristic
Odour Threshold	No data available
pH	8.7
Melting point/range	No data available
Boiling point/boiling range	
Flash point	
Evaporation rate	
Burning rate	
Upper explosion limit	
Lower explosion limit	
Vapour pressure	
Relative vapour density	
Relative density	
Density	1.06 g/cm ³
Water solubility	No data available
Solubility in other solvents	
Partition coefficient: n-octanol/water	
Auto-ignition temperature	Not determined
Thermal decomposition	No data available
Viscosity, dynamic	
Viscosity, kinematic	
Explosive properties	
Oxidizing properties	

J. Stability and reactivity

Reactivity	No decomposition if stored and applied as directed.
Chemical stability	No decomposition if stored and applied as directed.
Hazardous reactions	Stable under recommended storage conditions. Hazardous decomposition products formed under fire conditions. Keep away from oxidizing agents, and acidic or alkaline products.
Conditions to avoid	No data available

Materials to avoid	No data available
Hazardous decomposition products	No decomposition if stored and applied as directed.

K. Toxicological information

Acute toxicity	Not classified based on available information.
<u>Product</u> Acute oral toxicity	No data available
<u>Product</u> Acute inhalation toxicity	
<u>Product</u> Acute dermal toxicity	
Skin corrosion/irritation	Not classified based on available information. <u>Product</u> Remarks: May cause skin irritation and/or dermatitis.
Serious eye damage/eye irritation	Not classified based on available information. <u>Product</u> Remarks: The product causes irritation of eyes, skin and mucous membranes
Skin sensitisation	Not classified based on available information.
Respiratory sensitisation:	
Germ cell mutagenicity	
Carcinogenicity	
Reproductive toxicity	
STOT - single exposure	
STOT - repeated exposure	
Aspiration toxicity	

L. Ecological information

Toxicity to fish	No data available
Toxicity to algae	
Toxicity to bacteria	
Persistence and degradability	
<u>Product</u> : Bioaccumulation	
Mobility in soil	Assessment: This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher..
<u>Product</u> : Results of PBT and vPvB assessment	
Additional ecological information	Remarks: No data available

M. Disposal considerations: Waste treatment methods

Product	Send to a licensed waste management company. Dispose of as hazardous waste in compliance with local and national regulations.
Contaminated packaging	Dispose of as unused product. Do not re-use empty containers.

N. Transport information

UN number	Not regulated as a dangerous good
UN proper shipping name	
Transport hazard class(es)	
Packing group	
Environmental hazards	
Special precautions for user	For personal protection see section H.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable for product as supplied.

O. Regulation information

a. Safety, health and environmental regulations/legislation specific for the substance or mixture

International Chemical Weapons Convention (CWC) Schedules of Toxic Chemicals and Precursors	Neither banned nor restricted
REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII)	
Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals	
REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).	This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57).
REACH - List of substances subject to authorisation (Annex XIV)	Neither banned nor restricted
Regulation (EC) No 1005/2009 on substances that deplete the ozone layer	
Regulation (EC) No 850/2004 on persistent organic pollutants	
Directive 96/82/EC of 9th December 1996	Directive 96/82/EC does not apply

b. Chemical Safety Assessment

No data available

P. Other information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.