

DeepChek® SingleRound RT-PCR and Sequencing

INTEGRASE Assay v3 (K-17-H2-INT)

Material Safety Data Sheet For RNasine

April 2017

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

Product type	RNase Recombinant Ribonuclease Inhibitor
Product name	DeepChek® SingleRound RT-PCR and Sequencing INT Assay v3, reagents: RNasine
Chemical name	Not applicable
Catalog number	K-17-H2-INT
Manufacturer/Supplier	Advanced Biological Laboratories (ABL SA) 5, boulevard de Trèves 57070 Metz France Phone: +33 (0)3 51 56 60 77 Fax: +33(0)3 55 94 70 55 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-17-H2-INT
Relevant identified uses	General Purpose Reagent

B. Hazards identification

Classification of the substance or mixture	Classification according to Regulation (EC) No 1272/2008 [CLP]
Physical hazards	Not Hazardous
Health hazards	No data available
Environmental Hazards	Not Hazardous
Label elements	Labelling according to Regulation (EC) No 1272/2008 [CLP]
Hazard pictograms	No Pictogram
Signal word	None
Hazard statements	Not applicable
Precautionary Statements	Not applicable
Other Hazards	This mixture does not contain any substances that are assessed to be a PBT or a vPvB

C. Composition/information on ingredients

Chemical Name	CAS-No.	EINECS-No.	Weight percent	REACH registration number	Classification according to Regulation (EC) No 1272/2008 [CLP]
Glycerin	56-81-5	200-289-5	40-70	01-2119471987-18-X XXX	-

D. First-aid measures

a. Description

Skin contact	Rinse with plenty of water. Immediate medical attention is not required.
Eye contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
INGESTION	Not expected to present a significant ingestion hazard under anticipated conditions of normal use. If you feel unwell, seek medical advice.
Inhalation	Not expected to be an inhalation hazard under anticipated conditions of normal use of this material. Consult a physician if necessary.
Notes to Physician	Treat symptomatically.
Most important symptoms and effects, both acute and delayed	Not applicable.
Indication of any immediate medical attention and special treatment needed	None.

E. Fire-fighting measures

Suitable extinguishing media	Water spray. Carbon dioxide (CO ₂). Foam. Dry chemical.
Unsuitable Extinguishing Media	No information available.
Special hazards arising from the substance or mixture	Not Known.
Advice for fire-fighters	Standard procedure for chemical fires.

F. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Ensure adequate ventilation. Always wear recommended Personal Protective Equipment. Use personal protection equipment. See Section H for more detail.
Environmental precautions	No special environmental precautions required. Avoid discharge into drains and waterways whenever possible.
Methods and material for containment and cleaning up	Soak up with inert absorbent material.
Reference to other sections	See section H for more information.

G. Handling and storage

Precautions for safe handling	Use personal protective equipment as required. No special handling advices are necessary.
Conditions for safe storage, including any incompatibilities	Keep in a dry, cool and well-ventilated place. Keep in properly labelled containers.
Specific end use(s)	General Purpose Reagent.

H. Exposure controls/personal protection

a. Control parameters

Exposure Limits

Chemical Name	EU OEL (TWA)	EU OEL (STEL)	EU Skin Notation
Glycerin 56-81-5	None	None	None

Chemical Name	Austria	Belgium (TWA)	Denmark (TWA)	Finland OEL (TWA)
Glycerin 56-81-5				

Glycerin 56-81-5	None	10 mg/m3	None	None
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Chemical Name	France (VME) OEL	Germany (TWA) OEL	Ireland (TWA)	Italy OEL (TWA)
Glycerin 56-81-5	10 mg/m3	None	10 mg/m3	None

Chemical Name	Sweden - Occupational Exposure Limits - TLVs (LLVs)	Netherlands OEL (MAC)	Spain OEL (TWA)	United Kingdom
Glycerin 56-81-5	None	None	10 mg/m3	10 mg/m3

Chemical Name	European Union	United Kingdom	France OEL (VME)	Germany (TWA) OEL
Glycerin 56-81-5	None	None	10 mg/m3	None

Chemical Name	Italy OEL (TWA)	Portugal	Netherlands (MAC) OEL	Finland OEL (TWA)
Glycerin 56-81-5	None	None	None	None

Chemical Name	Austria	Denmark	Poland	Switzerland
Glycerin 56-81-5	None	None	None	None

Chemical Name	Ireland	Norway	Lithuania OEL (TWA)	Spain OEL (TWA)
Glycerin 56-81-5	None	None	None	10 mg/m3

Engineering measures

Ensure adequate ventilation, especially in confined areas.

b. Exposure controls

Personal protection equipment

Respiratory protection	In case of insufficient ventilation wear respirators and components tested and approved under appropriate government standards
Hand Protection	Wear suitable gloves Glove material: Compatible chemical-resistant gloves.
Eye protection	Tight sealing safety goggles.
Skin and body protection	Wear suitable protective clothing.
Hygiene measures	Handle in accordance with good industrial hygiene and safety practice.

c. Environmental exposure controls

No special environmental precautions required. Avoid discharge into drains and waterways whenever possible.

I. Physical and chemical properties

Appearance	liquid	
Odour	no data available	
pH	Mixture has not been tested	
Melting point/range	°C >0	°F >32
Boiling point/boiling range	°C >100	°F >212
Flash point	°C >90	°F >160
Autoignition temperature	°C Mixture has not been tested	°F Mixture has not been tested
Decomposition temperature	°C Mixture has not been tested	°F Mixture has not been tested
Evaporation rate	Mixture has not been tested	
Flammability (solid, gas)	Not applicable	
Upper explosion limit	Mixture has not been tested	
Lower explosion limit		
Vapour Pressure		
Relative density		
Specific gravity	no data available	
Solubility	Soluble in water	
Partition coefficient: n-octanol/water	no data available	
Explosive properties	Mixture has not been tested	
OTHER INFORMATION	no data available	

J. Stability and reactivity

Reactivity	None known.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	Hazardous reaction has not been reported.
Conditions to avoid	No information available
Incompatible Materials	No dangerous reaction known under conditions of normal use.
Hazardous decomposition products	no data available.

K. Toxicological information

a. Information on toxicological effects

Chemical Name	LD50 (oral,rat/mouse)	LD50 (dermal,rat/rabbit)	LC50 (inhalation,rat/mouse)
Glycerin	= 12600 mg/kg Oral	no data available	>570mg/m3(Rat)

b. Principle Routes of Exposure, Potential health effects

Irritation	Conclusive but not sufficient for classification
Corrosivity	
Sensitisation	
STOT - Single Exposure	
STOT - Repeated Exposure	
Carcinogenicity	
Mutagenicity	
Reproductive toxicity	

L. Ecological information

Toxicity

Chemical Name	Freshwater Algae Data	Water Flea Data	Freshwater Fish Species Data	Microtox Data	log Pow
Glycerin	no data available	no data available	no data available	no data available	logPow-1.76

Persistence and degradability	Inherently biodegradable.
Bioaccumulative potential	Material does not bioaccumulate.
Results of PBT and vPvB assessment	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
Other adverse effects	No information available.

M. Disposal considerations

Waste treatment methods	The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in according to approved disposal technique. Disposal of this product, its solutions or of any by-products, shall comply with the requirements of all applicable local, regional or national/federal regulations
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N. Transport information

IATA / ADR / DOT-US / IMDG	Not classified as dangerous in the meaning of transport regulations.
UN number	Not applicable
UN proper shipping name	
Transport hazard class(es)	
Packing group	
Environmental hazards	
Special precautions for user	
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	

O. Regulation information

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

Substances of Very High Concern	None
Restricted substances under EC 1907/2006, Annex XVII	
Substances listed under Annex I of Regulation (EC) No 689/2008	
Restricted substances under Annex V of Regulation (EC) No 689/2008	
Substances under Regulation (EC) No 850/2004 of the European Parliament and of the Council of 29 April 2004 on persistent organic pollutants and amending Directive 79/117/EEC	

b. German Water hazard classes (Wassergefährdungsklassen)

Chemical Name	Weight percent	Germany - Water Classification (VwVwS) - Annex 1	Germany - Water Classification (VwVwS) - Annex 2 - Water Hazard Classes	Germany - Water Classification (VwVwS) - Annex 3
Glycerin	no data available	no data available	no data available	no data available

c. Other International Inventories

Chemical Name	EINECS (European Union)	ELINCS (European List of Notified Chemical Substances)	ENCS (Japan)	PICCS (Philippines)
Glycerin	Listed	-	Listed	Listed

Chemical Name	AICS (Australia)	South Korea (KECL)	Canada (DSL)	NDSL
Glycerin	Listed	Listed	Listed	-

d. Chemical Safety Assessment

No Chemical safety assessment has been carried out.

P. Other information

Reason for revision	Update according to Commission Regulation (EU) No 453/2010.
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Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

"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.

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