

ds DNA-Ab RIA

REF **KIPIB19011**

Single components with dangerous ingredients:

KRDD011 dsDNA ¹²⁵I-Tracer lyophilized

Not listed single components contains no hazardous substances in concentrations to be declared, a labelling is not required.



IBL International GmbH
Flughafenstrasse 52a
22335 Hamburg, Germany



DIAsource ImmunoAssays S.A.
Rue du Bosquet, 2
1348 Louvain-la-Neuve, Belgium

Tel. +49 (0) 40 53 28 91-0
Fax +49 (0) 40 53 28 91-11
IBL@tecan.com
www.tecan.com/ibl

Tel: +32 (0) 10 84 99-11
Fax: +32 (0) 10 84 99-91
customer.service@diasource.be
www.diasource-diagnostics.com

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Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 16.09.2021

Version number 7

Revision: 16.09.2021

SECTION 1: Identification of the substance/mixture and of the company/undertaking

· **Product identifier**

· **Trade name:** dsDNA-Ab RIA Tracer

· **Article number:** KIP1B19011-03

· **Relevant identified uses of the substance or mixture and uses advised against**

No further relevant information available.

· **Application of the substance / the preparation:** laboratory reagent / Immunoassay

· **Details of the supplier of the safety data sheet**

· **Manufacturer/Supplier:**

IBL International GmbH

Flughafenstr. 52 a

22335 Hamburg

Germany

Tel.: ++49-40-53 28 91-0

Fax.: ++49-40-53 28 91-11

E-Mail: IBL@tecan.com

http: //www.tecan.com/ibl

· **Further information obtainable from:** Safety Representative

· **Emergency telephone number:** ++49-40-53 28 91 - 0

SECTION 2: Hazards identification

· **Classification of the substance or mixture**

· **Classification according to Regulation (EC) No 1272/2008**

The product is not classified, according to the CLP regulation.

· **Label elements**

· **Labelling according to Regulation (EC) No 1272/2008** Void

· **Hazard pictograms** Void

· **Signal word** Void

· **Hazard statements** Void

· **Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

· **Chemical characterisation:** Mixtures Preparation

· **Description:** Mixture of substances listed below with nonhazardous additions.

· **Dangerous components:**

125-Iodine Radionuclide

Activity: < 74 kBq

· **Components**

CAS: 77-86-1	trometamol	<1%
EINECS: 201-064-4	⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319	
CAS: 60-00-4	edetic acid	<0.1%
EINECS: 200-449-4	⚠ Eye Irrit. 2, H319	
CAS: 9002-93-1	Triton X-100	<0.1%
	⚠ Eye Dam. 1, H318; ⚠ Acute Tox. 4, H302	
CAS: 54-64-8	Thiomersal	<0.05%
EINECS: 200-210-4	⚠ Acute Tox. 2, H300; Acute Tox. 1, H310; Acute Tox. 1, H330; ⚠ STOT RE 2, H373	
CAS: 547-58-0	sodium 4-(4-dimethylaminophenylazo)benzenesulphonate	<0.01%
EINECS: 208-925-3	⚠ Acute Tox. 3, H301	

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· **Additional information**

The reagents can contain material of human origin which has been tested and confirmed negative for HBsAg and antibodies directed against HIV. Since no test method offers complete assurance that infectious agents are absent, these reagents should be treated as potentially infectious.

The regulation (EC) No. 1907/2006 does not cover radioactive material. Its receipt, acquisition, possession use and/or transfer are subject to the regulations and a specific license issued by the Nuclear Regulatory Commission or issued by a state with which the Nuclear Regulatory Commission has entered into an agreement for the exercise of regulatory authority.

For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

- **Description of first aid measures**
- **General information** No special measures required.
- **After inhalation** Call a doctor immediately.
- **After skin contact** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact** Rinse opened eye for several minutes under running water.
- **After swallowing** Do not induce vomiting; call for medical help immediately.
- **Information for doctor**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

SECTION 5: Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents** Use fire extinguishing methods suitable to surrounding conditions.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

SECTION 6: Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Not required.
- **Environmental precautions:** No special measures required.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material.
Dispose contaminated material as waste according to item 13.
- **Reference to other sections**
No dangerous substances are released.
See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

- **Handling**
- **Precautions for safe handling** No special measures required.
- **Information about fire - and explosion protection:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and receptacles:** Store in separated, identified rooms.

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- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
None.
The kit is shipped at ambient temperature and should be stored at 2-8°C. Keep away from heat or direct sun light. The storage and stability of prepared reagents is stated in the corresponding chapters of the instruction for use.
- **Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**
This product contains radioactive material.
- **Additional information:** The lists valid during the making were used as basis.
- **Exposure controls**
- **Personal protective equipment**
- **General protective and hygienic measures**
The usual precautionary measures are to be adhered to when handling chemicals and radioactive material.
- **Respiratory protection:** Not required.
- **Protection of hands:**
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **Material of gloves**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
The quality of the protective gloves must be chosen as a function of the specific working place concentration and quantity of hazardous substances.
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
- **Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Goggles recommended during refilling.
- **Body protection:** lab coat

SECTION 9: Physical and chemical properties

- **Information on basic physical and chemical properties**
 - **General Information**
 - **Appearance:**

Form:	liquid
Colour:	According to product specification
 - **Odour:** Odourless
 - **Odour threshold:** Not determined.
- | | |
|--------------------|-----------------|
| · pH-value: | Not determined. |
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· Change in condition Melting point/freezing point: undetermined Initial boiling point and boiling range: undetermined	
· Flash point:	Not applicable
· Flammability (solid, gaseous)	Not applicable.
· Decomposition temperature:	Not determined.
· Auto-ignition temperature:	Product is not selfigniting.
· Explosive properties:	Product does not present an explosion hazard.
· Explosion limits: Lower: Not determined. Upper: Not determined.	
· Vapour pressure:	Not determined.
· Density: · Relative density · Vapour density · Evaporation rate	Not determined. Not determined. Not determined. Not determined.
· Solubility in / Miscibility with Water:	Fully miscible
· Partition coefficient: n-octanol/water:	Not determined.
· Viscosity: dynamic: kinematic:	Not determined. Not determined.
· Other information	No further relevant information available.

SECTION 10: Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known

SECTION 11: Toxicological information

- **Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.
- **Primary irritant effect:**
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Additional toxicological information:**
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.

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- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:** Do not allow product to reach ground water, water course or sewage system.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

- **Waste treatment methods**
- **Recommendation** Must be specially treated adhering to official regulations.
- **Uncleaned packaging:**
- **Recommendation:**
Packagings that may not be cleansed are to be disposed of in the same manner as the product.
Dispose of packaging according to applicable local, state, and federal regulations.

SECTION 14: Transport information

· UN-Number	-
· UN proper shipping name	-
· Transport hazard class(es)	
· ADR	
· Class	7.1 Radioactive material.
· Packing group	-
· Environmental hazards:	
· Marine pollutant:	No
· Special precautions for user	Not applicable.
· Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
· Transport/Additional information:	Not dangerous according to the above specifications. This product is part of a kit. Information in this section refers to the kit as a whole.

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<i>UN "Model Regulation":</i>	<i>ohne</i>
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SECTION 15: Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Labelling according to Regulation (EC) No 1272/2008** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void

- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.

- **National regulations**

- **Waterhazard class:** Generally not hazardous for water.
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**

H300 Fatal if swallowed.

H301 Toxic if swallowed.

H302 Harmful if swallowed.

H310 Fatal in contact with skin.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H330 Fatal if inhaled.

H373 May cause damage to organs through prolonged or repeated exposure.

- **Department issuing SDS:** Safety Representative

- **Contact:** IBL International

- **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 relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

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)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative