

DENGUE VIRUS IgG ELISA, KAPDDENG**1. PREPARATION AND COMPANY IDENTIFICATION**

1.1 Preparation Identification: H₂SO₄ 0.3 M	Kit identification: Dengue Virus IgG Elisa, KAPDDENG
1.2 Use of the preparation:	Stop solution for the Elisa kit listed in 1.1
1.3 Company Identification:	DIAsource ImmunoAssays S.A. Rue du Bosquet 2 1348-Louvain-la-Neuve / BELGIQUE Tel +32 10 84 99 11 Fax +32 10 84 99 90 E-mail: products.support@diasource.be Internet : http://www.diasource.be
1.4 Emergency telephone No:	DIAsource (only office hours): +32 (0)10/84.99.11 Centre Anti-Poisons (BE) 070 245 245 Please refer to your local Anti-Poison Center!

2. HAZARDS IDENTIFICATION**Risk for health/environment:**

risk of eye and skin irritation in event of contact

3.COMPOSITION/INFORMATION ON INGREDIENTS

Acqueous solution

Hazardous ingredients

Chemical nature of the substance:	sulphuric acid (H ₂ SO ₄)
CAS –No(substance)	7664-93-9
Classification of substance:	Corrosive -C
EC No	231-639-5
Risk earnings relating to the substance:	R 35- Causes severe burn
Concentration of the substance in the preparation:	3% (w/w)

WARNING: the classification and the risk warnings given in point 2, refer to the substance. The same information referring to **the preparation** is given in *point 15*.

DENGUE VIRUS IgG ELISA, KAPDDENG**4. FIRST AID MEASURES****Contact with the skin:**

immediately remove contaminated clothing. Wash immediately with plenty of water. Call a physician in the event of irritation.

Contact with eyes:

Irrigate thoroughly with water for at least 10 minutes. Consult a physician.

Ingestion:

Wash out mouth thoroughly with water, avoid vomiting if possible. Call a physician immediately. Do not attempt to neutralize.

Inhalation:

Remove from exposure. Fresh air.

5. FIRE PROTECTION**Suitable extinguishing media :**

the preparation does not burn. Use CO₂, not H₂O₂.

Exposures risk (resulting from the preparation and from combustion products):

the reaction with reducing agents generate heat.

With nitrates, chlorates, carbides, potassium permanganate, powdered metals can causes fire and explosion.

With sulphides releases H₂S, a toxic and flammable gas.

6. ACCIDENTAL RELEASE MEASURES**Person-related safety measures:**

Wear personal and appropriate protection articles. Avoid substance contact with skin, eyes and clothes.

Environmental safety measures and procedures for cleaning/absorption:

Take up with liquid-absorbent inert material. Neutralize with diluted sodium hydroxide solution or with lime milk and rinse with plenty of water.

7. HANDLING AND STORAGE**Handling:**

Handle according to good industrial hygiene and safety practices for diagnostic products.

Storage:

Store in the original container at 2°- 8°C.

DENGUE VIRUS IgG ELISA, KAPDDENG**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Exposure limits to the substance:**1 mg/m³**Personal protective equipment:**

Respiratory protection:	not required
Eye protection:	safety glasses
Hand protection:	latex or rubber gloves
Skin Protection:	labs coats, acid resistant
Hygiene measures:	general industrial hygiene practices.

9. PHYSICAL AND CHEMICAL PROPERTIES OF PREPARATION

Form:	liquid
Colour:	colourless
Odour:	odourless
pH value(at 20°C):	<1
Melting point/range:	-11°C
Boiling temperature:	100°C
Fire point:	not applicable
Inflammability:	not applicable
Spontaneous ignition:	not applicable
Explosive properties:	not applicable
Burning properties:	not applicable
Vapour pressure:	not applicable
Specific gravity:	1-1.03
Solubility in water:	soluble

10. STABILITY AND REACTIVITY**Condition to be avoided:**

This preparation is stable under normal condition

Substances to be avoided:

Reducing agents, nitrates, picrates, carbides, chlorates, permanganates, powdered metals, alkali metals, alkali compounds.

Hazardous decomposition products:

In the event of fire: see chapter 5

DENGUE VIRUS IgG ELISA, KAPDDENG**11. TOXICOLOGICAL INFORMATION****Acute toxicity of the pure substance:**LC₅₀ (inhalation, rat):510 mg/m₃/2hLD₅₀ (inhalation, rat):2140 mg/kg**Local effect of substance:**

Highly corrosive and necrotizing on tissues .

The ingestion generates burns on the upper digestive system and the respiratory tract.

Local effects of preparation:

Irritating to eyes and skin

12. ECOLOGICAL INFORMATION

Use preparation according to good laboratory practice and avoid the dispersion in the environment.

A harmful effect on aquatic organism cannot be excluded in the event of the improper handling or disposal.

Harmful effect due to pH shift.

13. DISPOSAL CONSIDERATION

Chemical residues are general classified as special waste, and as such are covered by regulation which vary according to location. Contact your local waste disposal authority for advice, or pass to a chemical disposal company. The disposal of liquid effluent should be carried out according to the existing local laws and to the existing local regulation governing local pollution.

14. SHIPMENT INFORMATION

Information concerning shipment of the preparation according to:

ADR-Accord européen: September 30th, 1957 and following updatings.

IATA- Dangerous goods preparations

15. REGULATORY INFORMATION*Labelling according to EC directives (67/548/CEE and 1999/45/CE)*

Symbol:	Xi
Name:	Irritant
R-phrases:	36-38
S-phrases:	2-26-30
EC-No:	231-639-4

DENGUE VIRUS IgG ELISA, KAPDDENG**16. OTHER INFORMATIONS**

- The information relating to the substance refers to the substance safety data sheet supplied by the Manufacturer.
- The purpose of this safety data sheet is to ensure correct and safe use, storage, shipment and disposal of the preparation. All included information is based on our knowledge of the preparation at the date of issue of the sheet.
- The information contained herein is based on the present state on our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.

MSDS established : 2023-12-14**Revision number** : 1