

## **MATERIAL SAFETY DATA SHEET**

### **DIYEK C1 ELISA kit : endocan and CG-cleaved endocan quantification**

**IMPORTANT INFORMATION: Please always read carefully**

#### **1. Chemical, Product and Company Identification**

**Product Name:** DIYEK C1 (Do It Yourself ELISA kit) C1: combined human endocan quantification

**Catalog #:** LIK-1501

**CAS:** None

The kit is to be used for the *in vitro* quantification of the proteins called endocan and CG-cleaved endocan (its product of degradation) in serum, plasma, urine. The results of the kit can only be used for research purposes. Not for diagnosis or therapeutic uses.

**Manufacturer:**

**Lunginnov s.a.s**

Campus de l'Institut Pasteur de Lille

1 rue du Professeur Calmette, 59000 Lille, France

Tel : (33) 320 877 211 / Fax : (33) 320 877 884

www.lunginnov.com

contact@lunginnov.com

General Emergency Telephone for Europe: 112.

#### **2. Hazards Identification**

None of the hazardous reagents are present in an amount that qualifies the products as hazardous according to Directive 67/548/EC.

However, ingestion or exposure to large amounts can potentially be hazardous.

#### **3. Composition / Information on Ingredients**

No single component of the kit contains a hazardous ingredient in an amount that requires labeling.

Kit Components:

- One vial of Capture Antibody A – The vial contains 350 µL of antibody (1 mg/mL) in phosphate buffered saline. CAS: None
- One vial of Capture Antibody B – The vial contains 220 µL of antibody (5 mg/mL) in phosphate buffered saline. CAS: None
- One vial of Lyophilized Human Endocan Standard at 145 ng per vial; CAS : None
- One vial of Detection Antibody A: The vial contains 10 µL of biotinylated antibody in phosphate buffered saline; CAS: None
- One vial of Detection Antibody B: The vial contains 10 µL of biotinylated antibody in phosphate buffered saline; CAS: None

#### **4. First Aid Measures**

First aid personnel should ensure self-protection.

If inhaled: Transport affected person into the open area and bring to fresh air. If breathing stops, apply mechanical ventilation and if necessary apply an oxygen mask. When irritation persists, arrange medical advice.

If ingested: If any component of this kit is swallowed, rinse the mouth out with water and drink plenty of water. In case of unconsciousness, never administer anything orally. Arrange medical advice immediately.

In case of contact with eyes: Rinse out with plenty of water with eyes held open for at least 15 minutes. When irritation persists, get medical attention.

In case of contact with skin: Wash the skin with plenty of running water. Immediately remove contaminated clothes. When irritation persists, arrange medical advice.

### 5. Fire-fighting Measures

Use water spray, dry sand, carbon dioxide or foam depending on the surrounding equipment and materials.

No thermal decomposition degradation products or hazards are expected.

### 6. Accidental release measures

**Personal precautions:** Avoid direct contact. Do not inhale aerosols or vapors. Immediately change contaminated clothing.

**Environmental safety measures:** Avoid penetration into sewerage system, surface and ground water. Avoid soil pollution.

**Cleaning procedure:** Cover with a suitable amount of liquid-absorbent material. After removing the substance, clean up and disinfect the contaminated area.

### 7. Handling and Storage

For optimal performance of the ELISA kit, it is recommended to always work according to the Good Laboratory Practice (GLP).

#### **Handling**

Compatible material: glass, plastic.

Take care to keep workplace clean and dry. Do not leave containers open. Avoid general contact by handling.

#### **Storage**

Store kit and all components at 2° C to 8° C. Do not freeze.

Store all components in the box with the lids tightly closed.

### 8. Exposure controls / Personal Protection

**Personal Protection:** Protective clothing should be selected specifically for the working place.

Respiratory protection: none

Eye protection: not required when handling as recommended

Skin protection: Wear a laboratory coat and appropriate protective gloves.

#### **General protective and hygienic measures:**

Food and beverages should not be consumed in the vicinity of the work area. Wash hand before and after work.

### 9. Physical and Chemical Properties

Data for kit components

**Appearance:** Liquid (antibodies) and lyophilized (standard proteins)

**Color:** Colorless (Antibodies)

White: Lyophilized (Standards)

**Odor:** Odorless

**pH:** Neutral

**Solubility:** Soluble in demineralized or de-ionized water

**Boiling point:** Not Available (NA)

**Evaporation rate:** NA

**Explosive properties:** NA

**Flash point:** NA

**Flammability:** NA

**Oxidizing properties:** NA

**Relative density:** NA

**Vapor density:** NA

**Vapor pressure:** NA

**Viscosity:** NA

**Additional parameters:** NA

NA : not available

## 10. Stability and Reactivity

**Stability :** Products are stable if handled according to mentioned storage temperatures and conditions and before the mentioned expiry date. Use only clean glass and plastics (polypropylene) suitable for laboratory use.

**Conditions to avoid:** Freezing and heating above temperatures mentioned in the manual.

## 11. Toxicological Information

The kit components are in small sizes with a concentration below the acceptable limit for hazardous ingredients, the toxicological risks are minor.

Toxicological experiments have not been performed on the kit components.

## 12. Ecological Information

The kit components are in small sizes with a concentration below the acceptable limit for hazardous ingredients. Therefore the ecological risks are minimal.

## 13. Disposal Considerations

The product and packaging must be disposed in compliance with the respective national regulations. Observe all Federal, State and Local laws concerning health and pollution.

## 14. Transport Information

There are no special transport regulations.

ADR/RID (road/rail) NA

IMDG (sea) NA

ICAO/IATA (air) NA

## 15. Regulatory Information

No single component contains a hazardous ingredient in an amount that requires identification and labeling according to EC directives.

## 16. Other Information

The information provided is believed to be correct and is intended as a guide to users.

**For research use only.** Not for use in or on humans or animals or for diagnostics.

### **For professional use only.**

Always read the instructions before use.

Observe the general safety regulations when handling products.

Good Laboratory Practice (GLP) is the best preventive measure to avoid hazards.

**Lunginnov** will not be held responsible for any damages which may result from the use, handling or contact with above mentioned products. Read instructions carefully prior to use. GLP is required.