

1. INFORMATION OF THE SUBSTANCE/PREPARATION AND COMPANY

- | | | |
|-----|----------------|---|
| 1.1 | Product name | DIASOURCE hGH EASIA kit |
| | Catalog # | KAP1081 |
| | Kit components | Microtiter plate HRP Conjugate Calibrator 0 Calibrators 1 to 5 Wash Solution Controls 1 and 2 Chromogenic TMB Solution Stop Solution |
| 1.2 | Intended Use | In vitro diagnostic use |
| 1.3 | Company | DIAsource ImmunoAssays S.A. Rue du Bosquet, 2 B-1348 Louvain-la-Neuve Belgium Tel. Nr. +32 (0)10/84.99.11 e-mail: tech.support@diasource.be |
| 1.4 | In emergencies | Call your local emergency centre |

2. HAZARDS IDENTIFICATION**2.1 Classification of the substance or mixture:****2.1.1 Classification according to Regulation (EC) no 1272/2008 (CLP)**

Stop Solution
Skin corrosive 1B

2.1.2 Classification according to Directive 1999/45/EC

Stop Solution
Irritation

2.1.3 Additional Information

none

2.2 Label elements:

Labeling according to Regulation (EC) no 1272/2008 (CLP)

Stop Solution


H314

P280-P301+330+331-P305+351+338-P309+311

Danger

2.3 Other hazards:
Conjugate

Contains material from bovine origin

Calibrators 0, Calibrators 1-5

Contains material from ovine origin

Controls 1 and 2

Contains material of human origin. Although these materials have been tested for HBsAg, anti-HCV and anti-HIV-1/2 and have been found not reactive, they should be considered as potentially infectious.

| |
|--|
| 3. COMPOSITION/INFORMATION ON INGREDIENTS |
|--|

Hazardous ingredients:

| Component | Classification | concentration |
|----------------------------------|-----------------------------|---------------|
| Stop Solution containing: | | |
| Hydrochloric acid | | |
| CAS-No. 7647-01-0 | Skin Corrosive CAT 1B, H314 | < 5% |
| EC-No. 231-595-7 | Xi | |
| Index-No. 017-002-01-X | | |

| |
|------------------------------|
| 4. FIRST AID MEASURES |
|------------------------------|

4.1 Description of first aid measures
All Kit Components

- After ingestion:*
- Wash out mouth with water provided person is conscious
 - Consult a physician immediately
 - Do not induce vomiting (only applies to Stop Solution)
- After inhalation:*
- Transfer the person to an open place
 - If he does not breathe, proceed to artificial respiration
 - If breathing is difficult, give oxygen
- After skin contact:*
- Wash immediately with plenty of water for at least 15 minutes
 - Remove contaminated clothing and shoes
 - Consult a physician

- After eye contact:*
- Wash immediately with plenty of water for at least 15 minutes
 - Consult a physician

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

5. FIRE FIGHTING MEASURES**All Kit Components**

Suitable extinguishing media:

- All non combustible extinguishing media allowed

Unsuitable extinguishing media:

- No data available

Special exposure hazards:

- No generation of hazardous or toxic gases in dangerous quantities

Instructions:

- Due to small quantities: no special instructions apply

Special protective equipment for firefighters:

- Due to small quantities: no special instructions apply

6. ACCIDENTAL RELEASE MEASURES**All Kit Components**

Personal protection: see 8

Environmental precautions:

- Prevent soil and water pollution
- Discharge according to local regulations

Clean-up:

- Take up liquid spill into absorbent material
- Discharge of absorbed material according to local regulations
- Clean contaminated surfaces with an excess of water
- Wash clothing and equipment after handling

7. HANDLING AND STORAGE**All Kit Components**

Handling:

- Observe normal hygiene standards
- Discharge according to local regulations
- Remove and clean contaminated clothing
- Handle and open the container with care

Storage:

- Keep container tightly closed
- Meet the legal requirements
- Keep away from: heat sources, combustible materials, acids, metals
- Storage temperature: see component label

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1 Control parameters****Components with workplace control parameters**

| Component | No. Value | Control parameters | Basis |
|------------------------------------|-----------|--------------------------------|---|
| Hydrochloric acid CAS 7647-01-0 | TWA | 5 ppm 8 mg/m ³ | Europe. Commission Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values |
| | STEL | 10 ppm 15 mg/m ³ | |
| | TWA | 1 ppm 2 mg/m ³ | UK. EH40 WEL - Workplace Exposure Limits |
| | STEL | 5 ppm 8 mg/m ³ | |

8.2 Exposure Controls**8.2.1 Appropriate engineering controls**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

8.2.2 Personal protection equipment**All Kit Components**

Respiratory Protection: - Use respirators

Eye protection: - Chemical Safety goggles
- Face shield

Hand protection: - Chemical resistant Gloves

Skin protection - Protective clothing

9. PHYSICAL AND CHEMICAL PROPERTIES**9.1 Information on basic physical and chemical properties**

Microtiter Plate: plate

Controls 1 and 2, Calibrator 0, Calibrators 1 to 5: Lyophilized, soluble in water

HRP Conjugate, Wash Solution, Chromogenic TMB Solution, Stop Solution: Liquid

9.2 Other Information

No data available



MATERIAL SAFETY DATA SHEET

(According to regulation (EC) 1907/2006 and amendments)

Product name: DIASOURCE hGH EASIA kit

Catalog #: KAP1081

10. STABILITY AND REACTIVITY

All Kit Components

Stability: All components are stable until expiry date if stored in specified conditions (see label)

Reactivity/Hazardous decomposition products: No hazardous decomposition products are formed in high quantities

Conditions/Materials to avoid: None known

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

HCl:

| | |
|-----------------------------------|--|
| Acute toxicity | No data available |
| Skin corrosion/irritation | Skin - rabbit - Causes burns |
| Serious eye damage/irritation | Eyes - rabbit - Corrosive to eyes |
| Respiratory or skin sensitization | No data available. |
| Germ cell mutagenicity | No data available |
| Carcinogenicity | IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. |
| Reproductive toxicity | No data available |
| STOT-single exposure | The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with respiratory tract irritation. |
| STOT-repeated exposure | No data available |
| Aspiration hazard | No data available |
| Potential Health effects | Inhalation May be harmful if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract. Causes respiratory tract irritation. Ingestion May be harmful if swallowed. Causes burns Skin May be harmful if absorbed through skin. Causes skin burns. Eyes Causes eye burns. |
| Signs and Symptoms of Exposure | burning sensation, Cough, wheezing, laryngitis, Shortness of breath, spasm, inflammation and edema of the larynx, spasm, inflammation and edema of the bronchi, pneumonitis, pulmonary edema, Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin. |
| Additional information | RTECS: MW4025000. |

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Aquatic toxicity

HCl: Toxicity to fish LC50 - *Gambusia affinis* (Mosquito fish) - 282 mg/l - 96 h



MATERIAL SAFETY DATA SHEET

(According to regulation (EC) 1907/2006 and amendments)

Product name: DIASOURCE hGH EASIA kit

Catalog #: KAP1081

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

No data available

12.6 Other adverse effects

No data available

13. DISPOSAL CONSIDERATIONS

Provisions relating to waste: Hazardous waste (91/689/EEC)

Packaging/container: Waste material code packaging (91/689/EEC, Council Decision 2001/118/EC, O.J. L47 of 16/2/2001): 15 01 10 (packaging containing residues of or contaminated by dangerous substances)

Disposal methods:

- Tested specimens, Conjugate, calibrator 0, calibrators 1 to 5, controls 1 and 2 are potentially infectious. They should be disposed of following established safety procedures and local regulations.
- All the kit components must be considered as hazardous waste. They should be disposed of following local regulations.

14. TRANSPORT INFORMATION

Not applicable

15. REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.1 Safety, health and environmental regulations/legislation specific for the mixture

no data available

15.2 Chemical Safety assessment

no data available

16. OTHER INFORMATION**16.1 Indication of changes**

v1: SDS changes as required by current REACH regulation (as amended by 453/2010).
Classification and labeling according to CLP added.

16.2 Abbreviations and acronyms

Xi irritation

16.3 Key literature references and sources for data

SDS sheets provided by suppliers of raw materials.

16.4 Classification and procedure used to derive the classification for mixtures according to regulation EC 1272/2008 – CLP

Classification of mixtures is based on the calculation method.

16.5 Relevant R-phrases and/or H-P statements

H314 Causes severe skin burns and eye damage

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection

P301+330+331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting

P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P309+311 IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician

16.7 Training advice

This product is designed for use by professionals.

16.8 Further information

NOTE: The safety analysis of the lyophilized components in this kit has been performed on the reconstituted components. Therefore, the information in this MSDS and product labeling relates to the components as they will be used, i.e. after reconstitution.

The human blood components included in this kit have been tested by European approved and/or FDA approved methods and found negative for HBsAg, anti-HCV and anti-HIV-1 and 2. No known method can offer complete assurance that human blood derivatives will not transmit hepatitis, AIDS or other infections. Therefore, handling of reagents, serum or plasma specimens should be in accordance with local safety procedures.

All animal products and derivatives have been collected from healthy animals. Bovine components originate from countries where BSE has not been reported.

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.



MATERIAL SAFETY DATA SHEET

(According to regulation (EC) 1907/2006 and amendments)

Product name: DIASOURCE hGH EASIA kit

Catalog #: KAP1081

It remains the user's own responsibility to make sure that the information is appropriate and complete for his specific use of this product. The user is also responsible for observing any laws and applicable guidelines.

MSDS established : 2014-07-07

Revision number : 4