

## SAFETY DATA SHEET

### 1. Identification of the Substance/Preparation and of the company/ Undertaking

<b>Product Name</b>	: XpressDNA Blood Kit
<b>Kit Components</b>	: Blood Lysis Buffer 1, Blood Lysis Buffer 2, Blood MagNa Mix, Proteinase K (Lyophilized), Proteinase K Dilution Buffer, Blood Wash Buffer 1, Blood Wash Buffer 2, Blood Elution Buffer
<b>Company</b>	: MagGenome Technologies Pvt. Ltd.

For research use only. Not intended for human or animal diagnostic or therapeutic uses.

### 2. Hazards Identification

#### GHS - Classification

Signal Word	: Non-Hazardous
Health Hazards	: Non-Hazardous
Physical Hazards	: Non-Hazardous

#### Principle Routes of Exposure/Potential Health effects

Eyes	: May cause eye irritation in susceptible persons
Skin	: May cause skin irritation in susceptible persons
Inhalation	: Maybe harmful by inhalation
Ingestion	: Maybe harmful if swallowed

#### Other Effects

Carcinogenic Effects	: None
Mutagenic Effects	: None
Reproductive Toxicity	: None
Sensitization	: None
Target Organ Effects	: No known effects under normal use conditions

#### HMIS

Health	: 0
Flammability	: 0
Reactivity	: 0
Personal Protection	: C

**Note:** C - Safety Glasses, Gloves, Synthetic Apron

### 3. Composition/Information on Ingredients

The product contains no substances which at their given concentration, are hazardous to health. However, we recommend handling all chemicals with caution.

#### 4. First Aid Measures

Skin Contact	: Rinse with plenty of water. If symptoms arise, call a physician
Eye Contact	: Rinse immediately with plenty of water, also under the eyelids, for at least 15minutes. If symptoms persist, call a physician
Ingestion	: Never give anything by mouth to an unconscious person. If symptoms persist, call a physician Do not induce vomiting without medical advice.
Inhalation	: Move to fresh air. If symptoms persist, call a physician. If not breathing, give artificial respiration
Notes to Physician	: Treat symptomatically

#### 5. Fire Fighting Measures

Suitable extinguishing media	: Water spray. Carbon dioxide (CO <sub>2</sub> ). Foam. Dry chemical
Special protective equipment for firefighters	: Wear self-contained breathing apparatus and protective suit

#### 6. Accidental Release Measures

Personal precautions	: Use personal protective equipment
Methods for cleaning up	: Soak up with inert absorbent material
Environmental precautions	: Prevent further leakage or spillage if safe to do See Section 12 for additional information

#### 7. Handling and Storage

Handling	: Always wear recommended Personal Protective Equipment. No special handling advice required
Storage	: Keep in a dry, cool, and well-ventilated place.

#### 8. Exposure Controls/ Personal Protection

<b>Exposure limits</b>	: Contains no substances with occupational exposure limit values. Avoid repeated exposure
<b>Engineering measures</b>	: Ensure adequate ventilation, especially in confined areas. Equipped with eye wash facility and safety shower
<b>Personal protective equipment</b>	: Personal Protective Equipment requirements are dependent on the user institutions risk assessment and are specific to the risk assessment for each laboratory where this material may be used
Respiratory protection	: In case of insufficient ventilation wear suitable respiratory equipment. Not normally required if used as directed
Eye protection	: Safety glasses with side-shields
Skin and body protection	: Wear protective clothing including impervious boots, gloves, lab coat
Hygiene measures	: Handle in accordance with good industrial hygiene and safety practice
<b>Environmental exposure controls</b>	: Prevent product from entering drains

## 9. Physical and Chemical Properties

### General Information

Physical State	: Liquid
Color	: Colorless
Odor	: Not applicable
Boiling Point/Range	: Not applicable
Melting Point/Range	: Not applicable
Flash point	: 250 °C
Auto- ignition temperature	: Not applicable
Oxidizing properties	: Not applicable
Water solubility	: Soluble
Danger of explosion	: Does not possess any explosion hazard

## 10. Stability and Reactivity

Stability	: Stable under normal temperature and pressure
Materials to avoid	: No dangerous reaction known under conditions of normal use
Hazardous decomposition Products	: None under normal use
Hazardous Polymerization	: Polymerization does not occur

## 11. Toxicological Information

### Acute Toxicity Values

Oral LD50	: Not applicable
Inhalation LC50	: Not applicable
Dermal LD50	: Not applicable

### Principle Routes of Exposure/Potential Health effects

Eyes	: May cause eye irritation
Skin	: May cause skin irritation
Inhalation	: May be harmful if inhaled
Ingestion	: May be harmful if swallowed
Carcinogenic Effects	: Not applicable
Mutagenic Effects	: Not applicable
Reproductive Toxicity	: Not applicable
Sensitization	: Not applicable
Target Organ Effects	: No known effects under normal use conditions
Embryotoxicity	: Not applicable

## 12. Ecological Information

Ecotoxicity effects	: Not applicable
Mobility	: Not applicable
Biodegradation	: Inherently biodegradable
Bioaccumulation	: Does not bioaccumulate

### 13. Disposal Consideration

Dispose of in accordance with local regulations and laws

### 14. Transport Information

#### IATA

Proper shipping name	: Not classified as dangerous in the meaning of transport regulations
Hazard class	: Not applicable
Subsidiary Class	: Not applicable
Packing Group	: Not applicable
Un-Number	: Not applicable

### 15. Regulatory Information

#### U.S. Federal Regulations

<b>SARA 313</b>	: This product is not regulated by SARA
<b>Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)</b>	: This product does not contain HAPs

#### U.S. State Regulations

<b>California Proposition 65</b>	: This product does not contain chemicals listed under Proposition 65
<b>WHMIS Hazard Class</b>	: Non-controlled

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all the information required by the CPR

### 16. Other Information

MSDS prepared by : MagGenome Technologies Pvt. Ltd.

For research use only. Not intended for human or animal diagnostic or therapeutic uses.

**Disclaimer:** The above information is based on our experience, knowledge, and diligent search. 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. Since the Company cannot control the actual methods, volumes, or conditions of use, the Company shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein.

MAGGENOME TECHNOLOGIES PVT. LTD SHALL NOT BE HELD LIABLE FOR WARRANTIES, DAMAGE RESULTING FROM HANDLING, OR FROM CONTACT WITH THE ABOVE PRODUCT OR RELIANCE UPON THIS INFORMATION.