

# Material Safety Data Sheet

According to EC directive 2001/58/EC



**FAVORGEN**  
BIOTECH CORP.

Processing date 22.12.2017

## 96-well Viral DNA/ RNA Extraction Kit

Version 1

Printing date 22.12.2017

### 1. IDENTIFICATION OF THE SUBSTANCE/ PREPARATION

Commercial Product Name: 96-well Viral DNA/ RNA Extraction Kit

Supplier: Favorgen Biotech Corp.

Address: Ping-Tung Agricultural Biotechnology Park No.37, Nong-Ke Rd., Ping-Tung 908, Taiwan

Phone Number: 886-8-762-1829

Emergency telephone number: 886-8-762-1829

### 2. CHEMICAL CHARACTERISATION

VNE Buffer: 1 piece(s)

0.1~0.5 % Sodium hydroxide; CAS-No. 1310-73-2 UN-No. 1823

0.1~0.5% Sodium dodecylsulfate; CAS-No. 151-21-3

AD Buffer: 1 piece(s)

10-25 % Acetic acid; CAS-No. 64-19-7 UN-No. 2789

Wash Buffer 1: 1 piece(s)

10-25 % Propan-2-ol; CAS-No. 67-63-0 UN-No. 1219

Wash Buffer 2: 1 piece(s)

10-25 % Propan-2-ol; CAS-No. 67-63-0 UN-No. 1219

### 3. HAZARDS IDENTIFICATION

Classification: Harmful

Warnings: Harmful by inhalation and if swallowed. Irritating to eyes and skin.

### 4. FIRST AID MEASURES

Skin contact: Wash skin with water thoroughly.

Eye contact: Promptly wash eyes with water for at least 15 minutes, then seek medical advice.

Ingestion: Obtain medical attention.

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### 5. FIRE-FIGHTING MEASURES

Extinguishing media: No restriction.

Decomposition: Dangerous decomposition is not anticipated.

### 6. ACCIDENTAL RELEASE MEASURES

Actions to be taken on spillage: Sweep up spilled solids carefully. Dilute spilled liquids with plenty of water and adsorb.

Absorbent material: No restriction.

Actions to be taken to limit damage: Special measures to limit damage are not necessary.

### 7. HANDLING AND STORAGE

Handling: Liquid is not inflammable. Liquid is not combustible. Open and handle vessels carefully.

Storage: Store at room temperature.

Do not store together with: No restriction.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory protection: No personal respiratory protective equipment normally required.

Eye protection: Safety glasses

Hand protection: One-way gloves

Hygiene measures: Wash hands before breaks and at the end of workday.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

*VNE Buffer*

Form: Fluid

Color: Colorless

Odor: Characteristic

pH-value at 20°C : 13.2

*AD Buffer*

Form: Fluid

Color: Colorless

Odor: Characteristic

pH-value at 20°C : 5.5

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### *Wash Buffer 1*

Form: Fluid

Color: Colorless

Odor: Characteristic

pH-value at 20°C : 7.0

### *Wash Buffer 2*

Form: Fluid

Color: Colorless

Odor: Characteristic

pH-value at 20°C : 7.0

## 10. STABILITY AND REACTIVITY

Hazardous reactions: Reacts with acids, alkalis and oxidizing agents.

Hazardous decomposition products: Danger of toxic pyrolysis products.

## 11. TOXICOLOGICAL INFORMATION

### **VNE Buffer**

#### ***Sodium hydroxide***

Toxicity (others): LD50 intraperitoneal mouse 40 mg/kg

LDLo (oral, rabbit) 500 mg/kg

#### ***Sodium dodecylsulfate***

Oral toxicity: LD50 rat 1.288 mg/kg

## 12. ECOLOGICAL INFORMATION

Water hazard class: 1 slightly hazardous to water and ground

## 13. DISPOSAL CONSIDERATIONS

Waste disposal route: Used reagent can be disposed of in the waste water in accordance with local regulations.

Disposal of empty packaging: Dispose of empty packs by local recycling or waste disposal routes if necessary, clean them beforehand.

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### 14. TRANSPORT INFORMATION

#### Sara

Section 355 (extremely hazardous substances): None of the ingredients is listed.

Section 313 (Specific toxic chemical listings): None of the ingredients is listed.

TSCA (Toxic Substances Control Act): All ingredients are listed.

#### Proposition 65

Chemicals known to cause cancer: None of the ingredients is listed.

Chemicals known to cause reproductive toxicity: None of the ingredients is listed.

Hazard symbol: Harmful

Risk phrases: Harmful by inhalation, in contact with skin and if swallowed. Contact with acids liberates very toxic gas.

Product related hazard information:

The product has been classified and in accordance with directives on hazardous materials.

National regulations:

Water hazard class: Water hazard class 2 (Self-assessment): slightly hazardous for water.

· **Air transport ICAO-TI and IATA-DGR:**

· **ICAO/IATA Class: Non restricted**

· **Transport/Additional information: Not dangerous according to the above specifications.**

### 15. REGULATIONS

#### Sara

Section 355 (extremely hazardous substances): None of the ingredients is listed.

Section 313 (Specific toxic chemical listings): None of the ingredients is listed.

TSCA (Toxic Substances Control Act): All ingredients are listed.

#### Proposition 65

Chemicals known to cause cancer: None of the ingredients is listed.

Chemicals known to cause reproductive toxicity: None of the ingredients is listed.

Hazard symbol: Harmful

Risk phrases: irritating to eyes and skin

Product related hazard information:

The product has been classified and in accordance with directives on hazardous materials.

National regulations:

Water hazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.

### 16. OTHER INFORMATION

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This information is based on our present knowledge.