

Material Safety Data Sheet

1. PRODUCT IDENTIFICATION

- Business Unit: Molecular Biology
- Production Name: Mini *Plus*TM BAC DNA Extraction System
- Catalogue Number: BAC1001

<u>Component:</u>	<u>Component Part Number</u>
BX1 Buffer	MX10012
BX2 Buffer	MX20015
BX3 Buffer	MX30020
WN Buffer	WN00006
WS Buffer	WS00010
Elution Buffer	EB00005
RNase A	RN200042

- Manufacturer/ Supplier: **VIOGENE BIOTEK CORP.**
Address: No.6, Lane 292, Sec.1, Da-Tung Rd.,
Sijhih Dist., New Taipei City, Taiwan, R.O.C.
Tel: + 886 2 26472259

- Preparation Date: ____ / ____ / ____
- Contact / Preparatory: Abbie Lee
- Information Number: + 886 2 2647 2259

[NOTE:] The emergency number to be used particularly in emergencies involving a non-specific accident spill, leak, fire or exposure.

2. COMPOSITION / DATA ON COMPONENTS

- Chemical characterization
- Description: Mixture of the substances with non-hazardous additions as below listed.

3. HAZARDS IDENTIFICATION

- *Potential health effects:*

Eyes: Can cause moderate irritation, tearing and redeeming, but not likely to permanently injure eye tissue.

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- Skin:** Can cause moderate skin irritation, defeating, and dermatitis. Not likely to cause permanent damage.
- Inhalation:** Can cause moderate respiratory irritating, dizziness, weakness, fatigue, No toxicity expected from inhalation.
- Ingestion:** Irritating to mouth, throat, and stomach. can cause abdominal discomfort, nausea, vomiting and diarrhea.
- Chronic:** No data on cancer.

4. FIRST AID MEASURES (CONT.)

■ *Potential health effects:*

- Eyes:** Flush eyes with plenty of water for at least 20 minutes retracting eyelids often.
Tilt the head to prevent chemical from transferring to the uncontaminated eye.
Get immediate medical attention.
- Skin:** Wash with soap and water. Remove contaminated clothing and launder.
Set medical attention if irritation develops or persists.
- Inhalation:** Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen.
If not breathing, give artificial respiration and have a trained individual administer oxygen.
Get medical attention immediately.

5. FIRE FIGHTING MEASURES

- Upper Flammable Limit %: N/A
- Lower Flammable Limit %: N/A
- Autoignition temperature Deg. C.: N/A
- *Extinguishing media:* Not combustible. Use extinguishing media appropriate for surrounding fire.
Use water spray/ fog for cooling.

[NOTE:] Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment. Fight fire from a safe distance and a protected location due to the potential of hazardous vapors and decomposition products.

6. ACCIDENTAL RELEASE MEASURES

- Equipment following the recommendation of section at a minimum.
- Dike with suitable absorbent material like granulated clay.
- Gather and store in a sealed container pending a waste disposal evaluation.

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7. HANDLING AND STORAGE

- Storage at room temperature, and keep closed or cover when not in use.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

- *Engineering controls:* No exposure limits exist for the constituents of this products. Use local exhaust ventilation or other engineering controls to minimize exposures and maintain operator comfort.

- *Personal protection:*

Eyes: Safety glasses should be the minimum eye protection.
Wear sealed goggles.

Skin: Wear protective gloves. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating. Having a safety shower available.

9. PHYSICAL AND CHEMICAL PROPERTIES:

N/A

10. STABILITY AND REACTIVITY (CONT.)

- Stable under normal conditions.
- *Conditions to avoid:* Strong oxidizing agents. High temperatures.

11. TOXICOLOGICAL INFORMATION

- *Personal protection:*

Eyes: Irritating effect.

Skin: Irritant to skin and mucous membranes.

Sensitization: No sensitizing effects known.

Additional toxicological information: The product is no subject to classification according to internally approved calculation methods for preparations.

12. ECOLOGICAL INFORMATION:

N/A

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13. DISPOSAL CONSIDERATIONS:

N/A

14. TRANSPORT INFORMATION:

DOT

Proper Shipping Name: None

Non-Hazardous for Transport: This substance is considered to be non-hazardous for transport.

IATA

Non-Hazardous for Air Transport: Non-hazardous for air transport.

15. REGULATORY INFORMATION:

N/A

16. OTHER INFORMATION:

■ **Other Comment:** N/A – Not available or no information.

■ **Disclaimer:** This information contained herein is based upon our efforts to acknowledge. However, we do not warrant the accuracy of this information. In no case shall VIOGENE does constitute a warranty for incidental or consequential damages, including lost profits.