

PRODUCT AND COMPANY INFORMATION

- ◆ **Product name: DNA Markers Assay Kit**
- ◆ **Catalog number:**

PF00100	100bp DNA Ladder + 1X Loading Solution
PF00200	100bp DNA Ladder PLUS + 1X Loading Solution
PF00300	1kbp DNA Ladder + 1X Loading Solution
PF00400	Short Run DNA Marker + 1X Loading Solution
PF00500	pBR328 + 1X Loading Solution
PF00600	pUC18 + 1X Loading Solution
PF00700	pUC19 + 1X Loading Solution
PF00800	pBR322 + 1X Loading Solution
PF00800	Lambda Hind III + 1X Loading Solution

- ◆ **Chemical name or synonyms:**

- ◆ **Contact:**

OZ Biosciences
Parc Scientifique de Luminy
BP13
13273 Marseille cedex 9, France
Phone: +33 (0)4.91.82.81.75 / Fax: +33 (0)4.91.82.81.70 / www.ozbiosciences.com / contact@ozbiosciences.com

KIT CONTENT AND CLASSIFICATION

Common Name

Classification

- | | |
|------------------------------|---|
| ◆ DNA Marker (50 µg) | / |
| ◆ 1X Loading Solution (1 mL) | / |

SECTION 1 - PRODUCT AND COMPANY INFORMATION

- ◆ **Product name:** DNA Marker
- ◆ **Chemical name or synonyms:** none
- ◆ **Contact:**

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SECTION 2 – COMPOSITION, INFORMATION ON INGREDIENTS

Substance/preparation: Lyophilised powder.

No hazardous ingredient according to 29 CFR 1910.1200 Hazard Communication Standard (USA) and Directive 1999/45/EC-2001/59/EC (EU).

SECTION 3 – HAZARDS IDENTIFICATION

This product contains hazardous ingredients (Yes; No; Not Applicable or no information): **No**

This product contains hazardous carcinogens (Yes; No; N/A): **No**

This product contains hazardous ingredients to the environment. (Yes; No; N/A): **No**

◆ **Effects and symptoms:**

- *Inhalation* Not available.
- *Ingestion* Not available.
- *Skin contact* Not available.
- *Eye contact* Not available.
- *Aggravating conditions* Repeated or prolonged exposure is not known to aggravate medical conditions.

SECTION 4 – FIRST AID MEASURES

◆ **First-Aid measures:**

- *Inhalation* If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention.
- *Ingestion* Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention if symptoms appear.
- *Skin contact* In case of contact, immediately flush skin with plenty water. Remove contaminated clothing and shoes. Get medical attention.
- *Eye contact* In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.
- *Notes to physician* Not available.
- *Protection of first-aiders* Not available.

SECTION 5 – FIRE FIGHTING MEASURES

- ◆ **Flammability of the product:** May be combustible at high temperature.
- ◆ **Flash Points:** Not available.
- ◆ **Fire hazards in presence of various substances:** Not available.
- ◆ **Fire fighting media and instructions:** Use an extinguish agent suitable (water spray, carbon dioxide, dry chemical powder, or appropriate foam) for surrounding fires.
- ◆ **Protective clothing (fire):** Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Fight fire from a safe distance and a protected location due to the potential of hazardous vapors and decomposition products.
- ◆ **Hazardous thermal decomposition products:** Not available.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

- ◆ **Personal precautions:** Safety glasses. Lab coat.
- ◆ **Environmental precautions and clean-up methods:** Use a shovel to put the material into a convenient waste disposal container.
- ◆ **Small spill and leak:** Use appropriate tools to put the spilled solid in a convenient waste disposal container.

SECTION 7 – HANDLING AND STORAGE

- ◆ **Handling:** Take measures against electrostatic loading. Exhaust fumes at source. Wash thoroughly after handling.
- ◆ **Storage:** Keep container tightly closed. Store container at 4°C.
- ◆ **Intended use:** Refer to the instruction booklet for proper and intended use. Otherwise, contact supplier for specific application.
- ◆ **Packaging materials**
- ◆ **Suitable:** Use original container.

SECTION 8 – EXPOSURE CONTROLS, PERSONAL PROTECTION

- ◆ **Engineering Controls:** Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limits.
- ◆ **Personal protection**
 - **Eyes:** Safety glasses.
 - **Body:** Lab coat and gloves.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

- ◆ **Appearance**
 - **Physical State:** Lyophilisat.
 - **Color:** White.
 - **Odor:** Odorless.
 - **Taste:** Not available.
- ◆ **Solubility:** Fully miscible in water.
- ◆ **Dispersion properties:** Not available.

SECTION 10 – STABILITY AND REACTIVITY

- ◆ **Stability and reactivity:** The product is stable.
- ◆ **Conditions to avoid:** Not available.
- ◆ **Materials to avoid:** Strong oxidizing agents.
- ◆ **Hazardous polymerization:** Will not occur.
- ◆ **Hazardous decomposition products:** Not available.

SECTION 11 – TOXICOLOGICAL INFORMATION

- ◆ **Toxicity on animals:**
 - **LD50:** Not available.
 - **LC50:** Not available.
- ◆ **Chronic effects on humans:** Carcinogenic effects: classified none. by OSHA, None. by NIOSH.
- ◆ **Other toxic effects on humans:** No specific information is available in our database regarding the other toxic effects of this material for humans.
- ◆ **Carcinogenicity:** No known significant effects or critical hazards.
- ◆ **Mutagenicity:** No known significant effects or critical hazards.
- ◆ **Reproductive toxicity:** No known significant effects or critical hazards.
- ◆ **Over-exposure signs/symptoms**
 - **Inhalation:** No known significant effects or critical hazards.
 - **Ingestion:** No known significant effects or critical hazards.
 - **Skin:** No known significant effects or critical hazards.

SECTION 12 – ECOLOGICAL INFORMATION

No data available.

SECTION 13 – DISPOSAL CONSIDERATIONS

- ◆ **Waste stream:** Not available.
- ◆ **Waste disposal method:** Contact a licensed professional waste disposal service to dispose of this material. Dispose in accordance with governmental environmental regulations. Observe all federal, state, and local environmental regulations.
- ◆ **European waste catalogue (EWC):** Not available.
- ◆ **Hazardous waste:** Will not occur.

SECTION 14 – TRANSPORT INFORMATION

This substance is considered to be non-hazardous for transport and air-transport.

SECTION 15 – REGULATORY INFORMATION

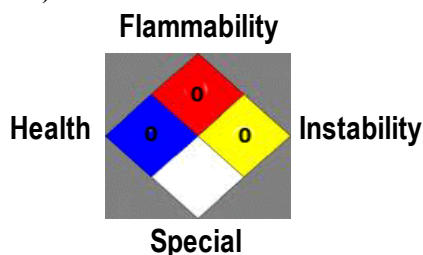
- ◆ This product is not classified according to the EU regulations.
- ◆ **Safety advice:** S24/25 – Avoid contact with skin and eyes.

SECTION 16 – OTHER INFORMATION

- ◆ **Hazardous Material Information System (U.S.A.):**

Health	0
Fire hazard	0
Reactivity	0
Personal protection	C

- ◆ **National Fire Protection Association (U.S.A.):**



- ◆ **Other Comments:**

N-No, Y-Yes, N/A-Not Applicable or no information.

The information provided is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. OZ Biosciences shall not be held liable for any damage resulting from handling or from contact with the product.

SECTION 1 - PRODUCT AND COMPANY INFORMATION

- ◆ **Product name:** 1X Loading Solution
- ◆ **Chemical name or synonyms:**
- ◆ **Contact:**

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SECTION 2 – COMPOSITION, INFORMATION ON INGREDIENTS

Description: Solution, consisting of the following components.

<u>Ingredient name:</u>	<u>CAS number</u>	<u>%</u>	<u>EINECS</u>	<u>Classification</u>
Water	7732-18-5	~ 90 %	231-791-2	None
Glycerol	56-81-5	10 %	200-289-5	None
Tris/HCl	1185-53-1	0.2 %	214-684-5	Xi; R36/37/38
Ethylenediaminetetraacetic acid disodium salt	139-33-3	0.07 %	205-358-3	Xn; R 22
Acetic acid sodium salt	127-09-3	0.04 %	204-823-8	None
Bromophenol Blue	115-39-9	0.02 %	204-086-2	None
Xylene Cyanol	2650-17-1	0.015 %	220-167-5	Xi; R36/37/38

Hazardous components listed above are not dangerous, since their concentration do not exceed the limits specified in the EU directive 1999/45/EC.

SECTION 3 – HAZARDS IDENTIFICATION

- ◆ **Information concerning particular hazards for human and environment:**

The product does not have to be labeled due to the calculation procedure of the “General Classification guideline for preparations of the EU” in the latest valid version.

- ◆ **Effects and symptoms:**

- *Inhalation* Not available.
- *Ingestion* Not available.
- *Skin contact* Not available.
- *Eye contact* Not available.

SECTION 4 – FIRST AID MEASURES

- ◆ **First-Aid measures:**

- *Inhalation* If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention.
- *Ingestion* Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention if symptoms appear.
- *Skin contact* In case of contact, immediately flush skin with plenty water. Remove contaminated clothing and shoes. Get medical attention.
- *Eye contact* In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.
- *Notes to physician* Treat symptomatically.
- *Protection of first-aiders* Not available.

SECTION 5 – FIRE FIGHTING MEASURES

- ◆ **Flash Point:** Not available.
- ◆ **Flammability of the product:** Product itself is not combustible.
- ◆ **Fire hazards in presence of various substances:** Not available.
- ◆ **Fire fighting media and instructions:** Use an extinguish agent suitable (water spray, carbon dioxide, dry chemical powder, or appropriate foam) for surrounding fires.
- ◆ **Special Fire Fighting Procedures:** Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Fight fire from a safe distance and a protected location due to the potential of hazardous vapors and decomposition products.
- ◆ **Hazardous thermal decomposition products:** Not available.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

- ◆ **Personal precautions:** Safety glasses, lab coat and gloves.
- ◆ **Environmental precautions and clean-up methods:** Absorb with an inert material and put the spilled material in an appropriate waste disposal. Finish cleaning by spreading water on the contaminated surface and allow evacuating through the sanitary system.
- ◆ **Small spill and leak:** Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

SECTION 7 – HANDLING AND STORAGE

- ◆ **Handling:** Avoid contacting and avoid breathing the material. Use only in a well ventilated area.
- ◆ **Storage:** Keep container tightly closed at 4°C
- ◆ **Intended use:** Refer to the instruction booklet for proper and intended use. Otherwise, contact supplier for specific application.
- ◆ **Packaging materials**
 - ◆ **Suitable:** Use original container.

SECTION 8 – EXPOSURE CONTROLS, PERSONAL PROTECTION

- ◆ **Engineering Controls:** Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. Ensure that eyewash stations and safety showers are proximal to the work-station location.
- ◆ **Personal protection**
 - **Eyes:** Safety glasses.
 - **Body:** Lab coat and gloves.
 - **Respiratory:** No respiratory protection will be needed under normal industrial operating conditions.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

- ◆ **Appearance**
 - **Physical State:** Liquid.
 - **Color:** Blue.
 - **Odor:** Odorless.
 - **Taste:** Not available.
- ◆ **pH:** 7.5
- ◆ **Boiling point:** Not available
- ◆ **Melting point:** Not available
- ◆ **Flash point:** Not available.
- ◆ **Decomposition temperature:** Not available.
- ◆ **Density:** 1.18 g/cm³ (20°C)
- ◆ **Solubility:** Fully miscible in water.

SECTION 10 – STABILITY AND REACTIVITY

- ◆ **Stability and reactivity:** Stable under normal conditions of use and storage.
- ◆ **Conditions to avoid:** Not available
- ◆ **Hazardous polymerization:** Will not occur.
- ◆ **Hazardous decomposition products:** Not available

SECTION 11 – TOXICOLOGICAL INFORMATION

- ◆ **Toxicity on animals:**
 - **LD50:** Not available.
 - **LC50:** Not available.
- ◆ **Chronic effects on humans:** Carcinogenic effects: not regulated by OSHA.
- ◆ **Other toxic effects on humans:** Slightly hazardous in case of ingestion, of eye contact.

SECTION 12 – ECOLOGICAL INFORMATION

- ◆ **Ecotoxicological information:** Not available.
- ◆ **Environment fate:** Slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13 – DISPOSAL CONSIDERATIONS

- ◆ **Waste stream:** Not available.
- ◆ **Waste disposal method:** Contact a licensed professional waste disposal service to dispose of this material. Dispose in accordance with governmental environmental regulations. Observe all federal, state, and local environmental regulations.
- ◆ **European waste catalogue (EWC):** Not available.
- ◆ **Hazardous waste:** Will not occur.

SECTION 14 – TRANSPORT INFORMATION

- ◆ This substance is considered to be non-hazardous for transport and air-transport.

SECTION 15 – REGULATORY INFORMATION

- ◆ This product is not classified according to the EU regulations.

SECTION 16 – OTHER INFORMATION

- ◆ **Hazardous Material Information System (U.S.A.):** Not determined
- ◆ **Other Comments:**

To the best of our knowledge, the information contain herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

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