



# SAFETY DATA SHEET

Mix 1 digital PCR probe assay

## 1. PRODUCT AND COMPANY IDENTIFICATION

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### 1.1. PRODUCT IDENTIFIERS

<b>Product name</b>	Mix 1
<b>Synonyms</b>	Mix 1 digital PCR probe assay

### 1.2. DETAILS OF SUPPLIER OF THE SAFETY DATA SHEET

<b>Company</b>	STEM GENOMICS SAS IRMB HOPITAL SAINT ELOI 80 AVENUE AUGUSTIN FLICHE 34295 MONTPELLIER CEDEX 5 FRANCE
<b>Emergency phone #</b>	+33 (0)4 67 33 04 54

### 1.3. RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE

For research and development purposes only

## 2. HAZARD IDENTIFICATION

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### 2.1. CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

This product is considered non-hazardous according to OSHA 29CFR1910.1200.  
The substance is not classified as dangerous according to the latest amendments to the European Union Directives 67/548/EC and 1999/45/EC.

### 2.2. LABEL ELEMENTS

<b>GHS label elements</b>	Not applicable.
<b>Hazard pictogram</b>	Not applicable.
<b>Signal word</b>	Not applicable.



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**Hazard statements** Not applicable.

**Precautionary statements** Not applicable.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

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#### 3.1. SUBSTANCES

Product name	CAS#	Hazardous classification
Deoxyribonucleic Acid, unmodified	N/A	Non-hazardous
Non-radioactive modification	N/A	Non-hazardous

### 4. FIRST AID MEASURES

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#### 4.1. DESCRIPTION OF FIRST AID MEASURES

<b>General Information</b>	In case of doubt, get medical attention.
<b>Inhalation</b>	Supply fresh air; Get medical attention if symptoms are severe or persist.
<b>Ingestion</b>	Get medical attention.
<b>Skin contact</b>	Remove contaminated clothing. Rinse with water and then wash with soap. If irritations, get medical attention.
<b>Eye contact</b>	Rinse opened eye under running water for at least 15 minutes. If irritations, get medical attention.

#### 4.2. MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

No further relevant information available.

#### 4.3. INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

No further relevant information available.



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### 5. FIRE-FIGHTING MEASURES

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#### 5.1. EXTINGUISHING MEDIA

**Suitable extinguishing media** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media** Do not use water jet as an extinguisher, as this will spread the fire.

#### 5.2. SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

**Specific hazards** None known to exist.

**Hazardous combustion products** Harmful gases or vapours.

#### 5.3. ADVICE FOR FIREFIGHTERS

**Special protective equipment** Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

**Further information** In the event of fire and/or explosion, avoid breathing fire gases or vapours.

### 6. ACCIDENTAL RELEASE MEASURES

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#### 6.1. PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

**Personal precautions** Wear personal protective equipment.  
Ensure adequate ventilation.

#### 6.2. ENVIRONMENTAL PRECAUTIONS

**Environmental precautions** Avoid release to the environment.

#### 6.3. METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

**Methods for cleaning up** Wear appropriate protective clothing and chemically compatible gloves.  
Place spillage in appropriate container for waste disposal.



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### **6.4. REFERENCE TO OTHER SECTIONS**

**Reference to other sections** For personal protection, see Section 8. See section 13 for waste disposal.

## **7. HANDLING AND STORAGE**

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### **7.1. PRECAUTIONS FOR SAFE HANDLING**

**Usage precautions** For personal protection see section 8.  
Keep away from food, drink and animal feeding stuffs.  
Keep container tightly sealed when not in use.

**general hygiene considerations** Handle in accordance with good industrial hygiene and safety practice.

### **7.2. CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES**

**Storage precautions** Keep containers tightly closed and store at -20°C. Keep containers upright.

### **7.3. SPECIFIC END USE(S)**

**Specific use(s)** No data available.

## **8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

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### **8.1. CONTROL PARAMETERS**

**Components with workplace control parameters** Contains no substances with occupational exposure limit values.

### **8.2. APPROPRIATE ENGINEERING CONTROLS**

**Engineering controls** Provide local exhaust ventilation, showers and eyewash stations.



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### 8.3. EXPOSURE CONTROLS

#### Personal protective equipment

<b>Eye protection</b>	Employees should wear safety glasses to prevent eye contact with the substance.
<b>Hand protection</b>	Handle with gloves. Gloves must be inspected prior to use.
<b>Other skin and body protection</b>	Wear appropriate clothing to prevent repeated or prolonged skin contact.
<b>Respiratory protection</b>	Protective equipment is not required under normal use conditions. If irritation is experienced, ventilation and evacuation may be required.
<b>Hygiene measures</b>	Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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### 9.1. INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Liquid.
<b>Color</b>	Clear.
<b>Odour</b>	Odourless.
<b>Odour threshold</b>	Not available.
<b>pH</b>	Not available.
<b>Melting point / range</b>	Not available.
<b>Boiling point / range</b>	Not available.
<b>Flash point</b>	No specific test data are available.
<b>Evaporation rate</b>	Not available.
<b>Evaporation factor</b>	Not available.



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<b>Flammability (solid, gas)</b>	Not available.
<b>Upper/lower flammability or explosive limits</b>	Not available.
<b>Other flammability</b>	Not available.
<b>Vapour pressure</b>	Not available.
<b>Vapour density</b>	Not available.
<b>Relative density</b>	Not available.
<b>Bulk density</b>	Not available.
<b>Solubility(ies)</b>	Not available.
<b>Partition coefficient</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition Temperature</b>	Not available.
<b>Viscosity</b>	Not available.
<b>Explosive properties</b>	Not available.
<b>Explosive under the influence of a flame</b>	Not considered to be explosive.
<b>Oxidizing properties</b>	Not available.

### 9.2. OTHER INFORMATION

<b>Molecular weight</b>	Not available.
<b>Molecular formula</b>	Not available.



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### **10. STABILITY AND REACTIVITY**

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#### **10.1. REACTIVITY**

**Reactivity** No adverse reactions have been reported.

#### **10.2. CHEMICAL STABILITY**

**Stability** Stable under normal conditions.

#### **10.3. POSSIBILITY OF HAZARDOUS REACTIONS**

**Possibility of hazardous reactions** No potentially hazardous reactions known.

#### **10.4. CONDITIONS TO AVOID**

**Conditions to avoid** No data available.

#### **10.5. INCOMPATIBLE MATERIALS**

**Materials to avoid** No data available.

#### **10.6. HAZARDOUS DECOMPOSITION PRODUCTS**

**Hazardous decomposition products** No dangerous decomposition products known.

### **11. TOXICOLOGICAL INFORMATION**

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#### **11.1. INFORMATION ON TOXICOLOGICAL EFFECTS**

**Acute toxicity** Based on available data, the classification criteria are not met.

**Skin corrosion / irritation** Based on available data, the classification criteria are not met.

**Serious eye damage/irritation** Based on available data, the classification criteria are not met.



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<b>Respiratory sensitisation</b>	Based on available data, the classification criteria are not met.
<b>Skin sensitisation</b>	Based on available data, the classification criteria are not met.
<b>Germ cell mutagenicity</b>	Based on available data, the classification criteria are not met.
<b>Carcinogenicity</b>	Based on available data the classification criteria are not met.
<b>IARC</b>	None of the ingredients are listed or exempt.
<b>Reproductive toxicity - fertility</b>	Based on available data the classification criteria are not met.
<b>Reproductive toxicity - development</b>	Based on available data the classification criteria are not met.
<b>STOT - single exposure</b>	Not classified as a specific target organ toxicant after a single exposure.
<b>STOT - repeated exposure</b>	Not classified as a specific target organ toxicant after repeated exposure.
<b>Aspiration hazard</b>	Based on available data, the classification criteria are not met.
<b>Inhalation</b>	No information available.
<b>Ingestion</b>	No information available.
<b>Skin contact</b>	No information available.
<b>Eye contact</b>	No information available.
<b>Target organs</b>	Not applicable.

## 12. ECOLOGICAL INFORMATION

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<b>Ecotoxicity</b>	The effect of this product on the environmental has not been fully investigated.
<b>Persistence and degradation</b>	The degradability of the product is not known.
<b>Bioaccumulative potential</b>	No data available.
<b>Mobility in soil</b>	No data available.





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<b>results of PBT and vPvB assessment</b>	None known.
<b>Other adverse effects</b>	None known.

### 13. DISPOSAL CONSIDERATIONS

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#### 13.1. WASTER TRAITMENT METHODS

<b>General information</b>	Dispose in accordance with all Federal, State and Local Regulations.
<b>Disposal methods</b>	Do not empty into drains, sewers, ditches and waterways.

### 14. TRANSPORT INFORMATION

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#### 14.1. UN NUMBER

<b>ADR, AND, IMDG, IATA</b>	Not regulated.
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#### 14.2. UN PROPER SHIPPING NAME

<b>ADR, AND, IMDG, IATA</b>	Not regulated.
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#### 14.3. TRANSPORT HAZARD CLASS

<b>ADR, AND, IMDG, IATA Class</b>	Not regulated.
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#### 14.4. PACKING GROUP

<b>ADR, IMDG, IATA</b>	Not regulated.
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#### 14.5. ENVIRONMENTAL HAZARDS

<b>Marine pollutant</b>	Not regulated.
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#### 14.6. SPECIAL PRECAUTIONS FOR USER

<b>Special precautions for user</b>	Not applicable.
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#### 14.7. TRANSPORT IN BULK



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According to Annex II of  
MARPOL and the IBC Code

Not applicable.

### 15. REGULATORY INFORMATION

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The toxicological properties of this material have not been investigated.

#### 15.1. SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS / LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE

**National regulations**

Health and Safety at Work etc. Act 1974 (as amended).  
The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI2009 No. 1348) (as amended) ["CDG 2009"]. EH40/2005 Workplace exposure limits.

**EU legislation**

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).  
Commission Regulation (EU) No 2015/830 of 28 May 2015.  
Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

#### 15.2. CHEMICAL SAFETY ASSESSMENT

A Chemical Safety Assessment has not been carried out.

### 16. OTHER INFORMATION

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**Abbreviations and acronyms**

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.  
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.  
GHS: Global Harmonized System.  
IATA: International Air Transport Association.  
IARC: International Agency for Research on Cancer.  
IMDG: International Maritime Dangerous Goods.  
PBT: Persistent, Bioaccumulative and Toxic substance.  
vPvB: Very Persistent and Very Bioaccumulative.  
STOT: Specific target organ toxicity.



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### **Further Information**

FOR RESEARCH AND DEVELOPMENT PURPOSES ONLY.

The information provided in this safety data sheet is, to the best of our knowledge, correct at the date of its publication. However, the information does not constitute a guarantee for any specific features and should be used only as a guide. The information in this document is applicable to the product with regard to appropriate safety precautions. Stem Genomics SAS shall not be held liable for any damage resulting from handling or from contact with the above product.