

# SAFETY DATA SHEET

## 1. PRODUCT AND COMPANY IDENTIFICATION

### Identification

Product Name QUANTOM™ Viable Cell Dilution Buffer  
Product Number Q13004

### Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Laboratory chemicals, Manufacture of substances

### Manufacturer

Aligned Genetics, Inc.  
FL 3, 28 Simindaero 327 beon-gil  
Dongan-gu, Anyang-si  
Gyeonggi-do 14055  
South Korea  
Telephone: +82-31-478-4185  
Fax: +82-31-360-4277  
E-mail: sales@logosbio.com

### Supplier

Aligned Genetics, Inc.  
FL 3, 28 Simindaero 327 beon-gil  
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Telephone: +82-31-478-4185  
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E-mail: sales@logosbio.com

**Emergency telephone number** +82 31 478 4185

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

## 2. HAZARDS IDENTIFICATION

### [GHS classification]

#### Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008  
Not hazardous

### Label elements

Labeling according to Regulation (EC) No 1272/2008

Hazard pictograms None  
Signal word Not hazardous  
Hazard statements Not hazardous

**Other hazards**

None

**3. COMPOSITION / INFORMATION ON INGREDIENTS****Mixtures**

No components need to be disclosed according to the applicable regulations.

**4. FIRST AID MEASURES****Description of first aid measures**

If inhaled	If breathed in, move person into the fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash off with soap and plenty of water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and assure adequate flushing by separating the eyelids with fingers. Consult a physician.
If swallowed	Never give anything by mouth to an unconscious person. Rinse mouth with water. Do NOT induce vomiting without medical advice. Consult a physician.

**5. FIRE-FIGHTING MEASURES****Extinguishing media****Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Special hazards arising from the substances or mixture**

Hydrogen chloride gas, Sodium oxides

**Advice of fire-fighters****Protective equipment**

Wear self-contained breathing apparatus and protective clothing.

**Further information**

No data available

**6. ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures**

Use appropriate protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation.

**Environmental precautions**

Do not let product enter drains.

**Methods and materials for containment and cleaning up**

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

**Reference to other sections**

For disposal see section 13.

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

Normal measures for preventive fire protection.

**Conditions for safe storage, including any incompatibilities**

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Control parameters**

Components with workplace control parameters

**Exposure controls**

**Appropriate engineering controls**

Handle in accordance with general industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

**Personal protective equipment**

<b>Eye/face protection</b>	Safety glasses with side-shields conforming to EN166. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
<b>Skin protection</b>	Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
<b>Body protection</b>	Impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substances at the specific workplace.
<b>Respiratory protection</b>	Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
<b>Control of Environmental exposure</b>	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

### Information on basic physical and chemical properties

<b>Appearance</b>	Form: liquid
<b>Odor</b>	No data available
<b>Odor Threshold</b>	No data available
<b>pH</b>	No data available
<b>Melting point/freezing point</b>	No data available
<b>Initial boiling point and boiling range</b>	100 °C
<b>Flashpoint</b>	No data available
<b>Evaporation rate</b>	No data available
<b>Flammability (solid, gas)</b>	No data available
<b>Upper/lower flammability or explosive limits</b>	No data available
<b>Vapour pressure</b>	No data available
<b>Vapour density</b>	No data available
<b>Specific Gravity/Relative density</b>	No data available
<b>Water Solubility</b>	Soluble
<b>Partition coefficient: n-octanol / water</b>	No data available
<b>Auto-ignition temperature</b>	No data available
<b>Decomposition temperature</b>	No data available
<b>Viscosity</b>	No data available
<b>Explosive properties</b>	No data available
<b>Oxidizing properties</b>	No data available

### Other safety information

No data available

## **10. STABILITY AND REACTIVITY**

### Stability

**Stability** No data available.  
**Reactivity** No data available

### Possibility of hazardous reactions

No data available

### Conditions to avoid

No data available

### Incompatible materials

Strong oxidizing agents

### Hazardous decomposition products

Other decomposition products – No data available

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## 11. TOXICOLOGICAL INFORMATION

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### **Acute toxicity**

No data available

### **Skin corrosion/irritation**

No data available

### **Serious eye damage/eye irritation**

No data available

### **Respiratory or skin sensitization**

No data available

### **Germ cell mutagenicity**

No data available

### **Carcinogenicity**

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

### **Reproductive toxicity**

No data available

### **Specific target organ toxicity – single exposure**

No data available

### **Specific target organ toxicity – repeated exposure**

No data available

### **Aspiration hazard**

No data available

### **Potential health effects**

<b>Inhalation</b>	May be harmful by inhalation. May cause respiratory tract irritation.
<b>Ingestion</b>	May be harmful if swallowed
<b>Skin</b>	May be harmful if absorbed through skin. May cause skin irritation.
<b>Eyes</b>	May cause eye irritation.

### **Additional Information**

RTECS: Not available

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## 12. ECOLOGICAL INFORMATION

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### **Toxicity**

No data available

### **Persistence and degradability**

No data available

### **Bioaccumulative potential**

No data available

**Mobility in soil**

No data available

**Results of PBT and vPvB assessment**

No data available

**Other adverse effects**

No data available

**13. DISPOSAL CONSIDERATIONS****Waste treatment methods****Product**

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

**Contaminated packaging**

Dispose of as unused product.

**14. TRANSPORT INFORMATION**

<b>UN number</b>	ADR/RID: -	IMDG: -	IATA: -
<b>UN proper shipping name</b>	ADR/RID: Not dangerous goods	IMDG: Not dangerous goods	IATA: Not dangerous goods
<b>Transport hazard class(es)</b>	ADR/RID: -	IMDG: -	IATA: -
<b>Packaging group</b>	ADR/RID: -	IMDG: -	IATA: -
<b>Environmental hazards</b>	ADR/RID: no	IMDG Marine pollutant: no	IATA: no
<b>Special precautions for user</b>	No data available		

**15. REGULATORY INFORMATION**

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

**Safety, health and environmental regulations/legislation specific for the substance or mixture**

No data available

**Chemical safety assessment**

No data available

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## 16. OTHER INFORMATION

### Further information

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The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and applies to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. . Aligned Genetics, Inc. and its Affiliates shall not be held liable for any damage resulting from handling or contact with the above product. See the reverse side of the invoice or packing slip for additional terms and conditions of sale.

End of Safety Data Sheet