

SAFETY DATA SHEET

SECTION 1: Identification of the substance/ mixture and of the company/ undertaking

- a. Product Name : QUANTOM™ Viable Cell Dilution Buffer
- Product Number : Q13004, Q13007
- b. Relevant identified uses of the substance or mixture and uses advised against : **Identified uses**
Laboratory chemicals, Manufacture of substances
- c. Manufacturer & Supplier : Aligned Genetics, Inc
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For research use only. Not intended for human or animal diagnostic or therapeutic use.

SECTION 2: Hazards identification

a. GHS classification

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

b. GHS-Labeling

Labeling according to Regulation (EC) No 1272/2008

Hazard pictograms
None

Signal word
Not hazardous

Hazard statements
Not hazardous

c. Other hazard which do not result in classification

None

SECTION 3: Composition/ Information on ingredients

3b. Mixtures

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

SECTION 4: First aid measures

- a. 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.
- b. In case of skin contact**
Wash off with soap and plenty of water. Consult a physician.
- c. If inhaled**
If breathed in, move person into the fresh air. If not breathing, give artificial respiration. Consult a physician.
- d. 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.
- e. Most important symptoms and effects, both acute and delayed**
No data available.
- f. Indication of any immediate medical attention and special treatment needed**
No data available.

SECTION 5: Firefighting measures

- a. Suitable extinguishing media**
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- b. Specific hazards arising from the chemical**
Hydrogen chloride gas, Sodium oxides.
- c. Special protective actions for fire-fighters**
Wear self-contained breathing apparatus and protective clothing.
- d. Further information**
No data available.

SECTION 6: Accidental release measures

- a. Personal precautions, protective equipment and emergency procedures**
Use appropriate protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation.
- b. Environmental precautions**
Do not let product enter drains.
- c. 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.
- d. Reference to other sections**
For disposal see section 13.

SECTION 7: Handling and storage

- a. Precautions for safe handling**
Normal measures for preventive fire protection.
- b. Conditions for safe storage**
Store in cool place. Keep container tightly closed in a dry and well-ventilated place.
- c. Specific end use(s)**
No data available.

SECTION 8: Exposure controls/ personal protection

- a. Control parameters**
Components with workplace control parameters.
- b. Appropriate engineering controls**
Handle in accordance with general industrial hygiene and safety practice. Wash hands before breaks and at the end of a workday.
- c. Personal protective equipment**
 - Eye/face protection**
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).
 - Skin protection**
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.
 - Body protection**
Impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substances at the specific workplace.
 - Respiratory protection**
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).
 - Control of Environmental exposure**
Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

- | | |
|---|-------------------|
| a. Appearance | Form: liquid |
| b. Odor | No data available |
| c. Odor Threshold | No data available |
| d. pH | No data available |
| e. Melting point/freezing point | No data available |
| f. Initial boiling point and boiling range | 100 °C |
| g. Flash point | No data available |
| h. Evaporation rate | No data available |

i. Flammability (solid, gas)	No data available
j. Lower explosion limit	No data available
k. Upper explosion limit	No data available
l. Vapour pressure	No data available
m. Vapour density	No data available
n. Specific Gravity/Relative density	No data available
o. Water Solubility	Soluble
p. Partition coefficient: n-octanol / water	No data available
q. Auto-ignition temperature	No data available
r. Decomposition temperature	No data available
s. Viscosity	No data available
t. Explosive properties	No data available
u. Oxidizing properties	No data available

Other safety information

No data available

SECTION 10: Stability and reactivity

- a. **Stability**
Stable under recommended storage conditions.
- b. **Reactivity**
No data available.
- c. **Possibility of hazardous reactions**
No data available.
- d. **Conditions to avoid**
No data available.
- e. **Incompatible materials**
Strong oxidizing agents.
- f. **Hazardous decomposition products**
Other decomposition products – No data available.

SECTION 11: Toxicological information

- a. **Information on likely routes of exposure**
 - Inhalation**
May be harmful by inhalation. May cause respiratory tract irritation.
 - Ingestion**
May be harmful if swallowed.
 - Skin**
May be harmful if absorbed through skin. May cause skin irritation.
 - Eyes**
May cause eye irritation.
- b. **Delayed and immediate effects and also chronic effect from short and long term exposure**
 - 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.

Additional information

RTECS: Not available.

SECTION 12: Ecological information**a. Toxicity**

No data available.

b. Persistence and degradability

No data available.

c. Bioaccumulative potential

No data available.

d. Mobility in soil

No data available.

e. Results of PBT and vPvB assessment

No data available.

f. Endocrine disrupting properties

No data available.

g. Other adverse effects

No data available.

SECTION 13: Disposal considerations**a. Disposal methods**

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

b. Contaminates packaging

Dispose of as unused product.

SECTION 14: Transport information

UN number	ADR/RID: -	IMDG: -	IATA: -
UN proper shipping name	ADR/RID: Not dangerous goods	IMDG: Not dangerous goods	IATA: Not dangerous goods
Transport hazard class(es)	ADR/RID: -	IMDG: -	IATA: -
Packaging group	ADR/RID: -	IMDG: -	IATA: -
Environmental hazards	ADR/RID: -	IMDG: -	IATA: -
Special precautions for user	No data available		
Maritime transport in bulk according to IMO instruments		IMDG: -	

SECTION 15: Regulatory information

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

- a. Regulation under the Occupational Safety and Health Act**
No data available.
- b. Chemical safety assessment**
No data available.

SECTION 16: Other information**Further information**

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End of Safety Data Sheet