

## KIT COMPONENTS

Product code	Product Name
95080-100 95080-500	qScript™ One-Step Fast qRT-PCR Kit, ROX

### Components

84099 84100	qScript™ 1-Step Fast RT
84105 84106	1-Step Fast Master Mix, ROX (4X)
84007	Nuclease-Free Water

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product code** 84099, 84100  
**Product name** qScript™ 1-Step Fast RT

**Manufacturer**  
QUANTA BIOSCIENCES INC.  
202 PERRY PKWY., SUITE 1  
GAITHERSBURG, MD 20877  
800-364-2149

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

### Hazardous/Non-hazardous Components

Chemical Name	CAS No.	Weight %
GLYCEROL	56-81-5	40-60%

## 3. HAZARDS IDENTIFICATION

### Emergency Overview

Irritating to eyes. Irritating to skin.

**Form**  
Liquid

### Principal Routes of Exposure/ Potential Health Effects

<b>Eyes</b>	May cause eye irritation with susceptible persons.
<b>Skin</b>	May cause skin irritation in susceptible persons.
<b>Inhalation</b>	No information available
<b>Ingestion</b>	No information available

### Specific Effects

<b>Carcinogenic effects</b>	No information available
<b>Mutagenic effects</b>	No information available
<b>Reproductive toxicity</b>	No information available
<b>Sensitization</b>	No information available

### Target Organ Effects

Eyes. Skin.

### HMIS

Health	1
Flammability	1
Reactivity	0

## 4. FIRST AID MEASURES

<b>Skin contact</b>	Wash off immediately with plenty of soap and water. If irritation develops, get medical attention.
<b>Eye contact</b>	Rinse thoroughly with plenty of water, also under the eyelids, for at least 15 minutes. If irritation persists, get medical attention.
<b>Ingestion</b>	Never give anything by mouth to an unconscious person
<b>Inhalation</b>	Move to fresh air
<b>Notes to physician</b>	Treat symptomatically

## 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media Dry chemical  
Special protective equipment for firefighters Wear self-contained breathing apparatus and protective suit

## 6. ACCIDENTAL RELEASE MEASURES

Personal precautions Use personal protective equipment  
Methods for cleaning up Soak up with inert absorbent material

## 7. HANDLING AND STORAGE

Handling No special handling advice required  
Storage Keep in properly labeled containers

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Occupational exposure controls

### Exposure limits

Chemical Name	OSHA PEL (TWA)	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
GLYCEROL	15 mg/m <sup>3</sup> total dust 5 mg/m <sup>3</sup> respirable fraction	-	10 mg/m <sup>3</sup>	-

Engineering measures Ensure adequate ventilation, especially in confined areas

### Personal protective equipment

Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment  
Hand protection Protective gloves  
Eye protection Safety glasses with side-shields  
Skin and body protection Lightweight protective clothing  
Hygiene measures Handle in accordance with good industrial hygiene and safety practice  
Environmental exposure controls Prevent product from entering drains

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### General Information

Form Liquid

### Important Health Safety and Environmental Information

Boiling point/range	°C 289.7	°F 554
Melting point/range	°C 17.8	°F 64.04
Flash point	°C 92.78	°F 199
Autoignition temperature	°C No data available	°F No data available
Oxidizing properties	No information available	
Water solubility	No data available	

## 10. STABILITY AND REACTIVITY

Stability Stable under normal conditions  
Materials to avoid No information available  
Hazardous decomposition products No information available  
Polymerization Hazardous polymerization does not occur

## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

Chemical Name	LD50 (oral, rat/mouse)	LD50 (dermal, rat/rabbit)	LC50 (inhalation, rat/mouse)
GLYCEROL	12600 mg/kg (Rat)	10 g/kg (Rabbit)	570 mg/m <sup>3</sup> (Rat)

### Principle Routes of Exposure/ Potential Health Effects

Eyes	May cause eye irritation with susceptible persons.
Skin	May cause skin irritation in susceptible persons.
Inhalation	No information available
Ingestion	No information available

### Specific Effects

Carcinogenic effects	No information available
Mutagenic effects	No information available
Reproductive toxicity	No information available
Sensitization	No information available

### Target Organ Effects

Eyes. Skin.

## 12. ECOLOGICAL INFORMATION

Ecotoxicity effects	No information available
Mobility	No information available
Biodegradation	No information available
Bioaccumulation	No information available

## 13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with local regulations

## 14. TRANSPORT INFORMATION

### IATA

Proper shipping name	Not classified as dangerous in the meaning of transport regulations
Hazard Class	No information available
Subsidiary Class	No information available
Packing group	No information available
UN-No	No information available

## 15. REGULATORY INFORMATION

### International Inventories

Chemical Name	TSCA	PICCS	ENCS	DSL	NDSL	AICS
GLYCEROL	Listed	Listed	Listed	Listed	-	Listed

### U.S. Federal Regulations

#### SARA 313

Not regulated

#### Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product contains the following HAPs:

### **U.S. State Regulations**

Chemical Name	Massachusetts - RTK	New Jersey - RTK	Pennsylvania - RTK	Illinois - RTK	Rhode Island - RTK
GLYCEROL	Listed	-	Listed	-	Listed

### **California Proposition 65**

This product contains the following Proposition 65 chemicals:

### **WHMIS Hazard class:**

D2B Toxic materials

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR

## **16. OTHER INFORMATION**

This material is sold for research and development purposes only. It is not for any human or animal therapeutic or clinical diagnostic use. It is not intended for food, drug, household, agricultural, or cosmetic use. An individual technically qualified to handle potentially hazardous chemicals must supervise the use of this material.

The above information was acquired by diligent search and/or investigation and the recommendations are based on prudent application of professional judgment. The information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may be present unknown hazards and should be used with caution. Since Quanta BioSciences cannot control the actual methods, volumes, or conditions of use, the Company shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein. THE INFORMATION IN THIS MSDS DOES NOT CONSTITUTE A WARRANTY, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE.

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## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product code** 84105, 84106  
**Product name** 1-Step Fast Master Mix, ROX (4X)

**Manufacturer**  
QUANTA BIOSCIENCES INC.  
202 PERRY PKWY., SUITE 1  
GAITHERSBURG, MD 20877  
800-364-2149

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

### Hazardous/Non-hazardous Components

The product contains no substances which at their given concentration, are considered to be hazardous to health.

## 3. HAZARDS IDENTIFICATION

### Emergency Overview

The product contains no substances which at their given concentration, are considered to be hazardous to health.

**Form**  
Liquid

### Potential Health Hazards

<b>Eyes</b>	No information available
<b>Skin</b>	No information available
<b>Inhalation</b>	No information available
<b>Ingestion</b>	No information available

### Specific Effects

<b>Carcinogenic effects</b>	No information available
<b>Mutagenic effects</b>	No information available
<b>Reproductive toxicity</b>	No information available
<b>Sensitization</b>	No information available

**Target Organ Effects** No information available

## 4. FIRST AID MEASURES

<b>Skin contact</b>	Wash off immediately with plenty of soap and water. If irritation develops, get medical attention.
<b>Eye contact</b>	Rinse thoroughly with plenty of water, also under the eyelids. If irritation persists, get medical attention.
<b>Ingestion</b>	Never give anything by mouth to an unconscious person
<b>Inhalation</b>	Move to fresh air
<b>Notes to physician</b>	Treat symptomatically

## 5. FIRE-FIGHTING MEASURES

<b>Suitable extinguishing media</b>	Dry chemical
<b>Special protective equipment for firefighters</b>	Wear self-contained breathing apparatus and protective suit

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions</b>	Use personal protective equipment
<b>Methods for cleaning up</b>	Soak up with inert absorbent material

## 7. HANDLING AND STORAGE

<b>Handling</b>	No special handling advice required
<b>Storage</b>	Keep in properly labeled containers

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational exposure controls

<b>Exposure limits</b>	
Engineering measures	Ensure adequate ventilation, especially in confined areas

<b>Personal protective equipment</b>	
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment
Hand protection	Protective gloves
Eye protection	Safety glasses with side-shields
Skin and body protection	Lightweight protective clothing
Hygiene measures	Handle in accordance with good industrial hygiene and safety practice
Environmental exposure controls	Prevent product from entering drains

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**General Information**

<b>Form</b>	Liquid
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**Important Health Safety and Environmental Information**

<b>Boiling point/range</b>	°C	No data available	°F	No data available
<b>Melting point/range</b>	°C	No data available	°F	No data available
<b>Flash point</b>	°C	No data available	°F	No data available
<b>Autoignition temperature</b>	°C	No data available	°F	No data available
<b>Oxidizing properties</b>		No information available		
<b>Water solubility</b>		No data available		

## 10. STABILITY AND REACTIVITY

<b>Stability</b>	Stable
<b>Materials to avoid</b>	No information available
<b>Hazardous decomposition products</b>	No information available
<b>Polymerization</b>	Hazardous polymerization does not occur

## 11. TOXICOLOGICAL INFORMATION

**Acute Toxicity**

**Principle Routes of Exposure/ Potential Health Effects**

<b>Eyes</b>	No information available
<b>Skin</b>	No information available
<b>Inhalation</b>	No information available
<b>Ingestion</b>	No information available

**Specific Effects**

<b>Carcinogenic effects</b>	No information available
<b>Mutagenic effects</b>	No information available
<b>Reproductive toxicity</b>	No information available
<b>Sensitization</b>	No information available

**Target Organ Effects** No information available

## 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity effects</b>	No information available
<b>Mobility</b>	No information available
<b>Biodegradation</b>	Inherently biodegradable
<b>Bioaccumulation</b>	No information available

## 13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with local regulations

## 14. TRANSPORT INFORMATION

### IATA

<b>Proper shipping name</b>	Not classified as dangerous in the meaning of transport regulations
<b>Hazard Class</b>	No information available
<b>Subsidiary Class</b>	No information available
<b>Packing group</b>	No information available
<b>UN-No</b>	No information available

## 15. REGULATORY INFORMATION

### International Inventories

### U.S. Federal Regulations

#### SARA 313

Not regulated

#### Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product contains the following HAPs:

### U.S. State Regulations

None listed

### WHMIS Hazard class

Non-controlled

## 16. OTHER INFORMATION

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**1. PRODUCT AND COMPANY IDENTIFICATION**

**Product code** 84007  
**Product name** Nuclease-Free Water

**Manufacturer**  
QUANTA BIOSCIENCES INC.  
202 PERRY PKWY., SUITE 1  
GAITHERSBURG, MD 20877  
800-364-2149

**2. COMPOSITION/INFORMATION ON INGREDIENTS****Hazardous/Non-hazardous Components**

The product contains no substances which at their given concentration, are considered to be hazardous to health.

**3. HAZARDS IDENTIFICATION****Emergency Overview**

The product contains no substances which at their given concentration, are considered to be hazardous to health.

**Form**  
Liquid

**Potential Health Hazards**

<b>Eyes</b>	Not applicable
<b>Skin</b>	Not applicable
<b>Inhalation</b>	Not applicable
<b>Ingestion</b>	Not applicable

**Specific Effects**

<b>Carcinogenic effects</b>	Not applicable
<b>Mutagenic effects</b>	Not applicable
<b>Reproductive toxicity</b>	Not applicable
<b>Sensitization</b>	Not applicable

<b>Target Organ Effects</b>	Not applicable
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**4. FIRST AID MEASURES**

<b>Skin contact</b>	Not hazardous.
<b>Eye contact</b>	Not hazardous.
<b>Ingestion</b>	Not hazardous
<b>Inhalation</b>	Not hazardous
<b>Notes to physician</b>	Treat symptomatically

## 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media      The product is not flammable  
Special protective equipment for firefighters      The product is not flammable

## 6. ACCIDENTAL RELEASE MEASURES

Personal precautions      Not applicable.  
Methods for cleaning up      Not applicable.

## 7. HANDLING AND STORAGE

Handling      No special handling advice required  
Storage      Keep in properly labeled containers

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational exposure controls

Exposure limits  
Engineering measures      No special precautions required

Personal protective equipment  
Respiratory protection      No special protective equipment required  
Hand protection      Not hazardous  
Eye protection      Not hazardous  
Skin and body protection      Not hazardous  
Hygiene measures      Handle in accordance with good industrial hygiene and safety practice  
Environmental exposure controls      No special environmental precautions required

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### General Information

Form      Liquid

### Important Health Safety and Environmental Information

Boiling point/range	°C 100	°F 212
Melting point/range	°C 0	°F 32
Flash point	°C No data available	°F No data available
Autoignition temperature	°C No data available	°F No data available
Oxidizing properties	No information available	
Water solubility	soluble	

## 10. STABILITY AND REACTIVITY

Stability      Stable  
Materials to avoid      None  
Hazardous decomposition products      None under normal use  
Polymerization      Hazardous polymerization does not occur

## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

#### Principle Routes of Exposure/ Potential Health Effects

Eyes	Not applicable
Skin	Not applicable
Inhalation	Not applicable
Ingestion	Not applicable

#### Specific Effects

Carcinogenic effects	Not applicable
Mutagenic effects	Not applicable
Reproductive toxicity	Not applicable
Sensitization	Not applicable

Target Organ Effects	Not applicable
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## 12. ECOLOGICAL INFORMATION

Ecotoxicity effects	Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants
Mobility	completely soluble
Biodegradation	Inherently biodegradable
Bioaccumulation	Does not bioaccumulate

## 13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with local regulations

## 14. TRANSPORT INFORMATION

### IATA

Proper shipping name	Not classified as dangerous in the meaning of transport regulations
Hazard Class	No information available
Subsidiary Class	No information available
Packing group	No information available
UN-No	No information available

## 15. REGULATORY INFORMATION

### International Inventories

### U.S. Federal Regulations

#### SARA 313

Not regulated

#### Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product contains the following HAPs:

### U.S. State Regulations

#### California Proposition 65

This product contains the following Proposition 65 chemicals:

**WHMIS Hazard class**

Non-controlled

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all the information required by the CPR

<b>16. OTHER INFORMATION</b>
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