

KIT COMPONENTS

| Product code | Product Name |
|-------------------------------------|-----------------------------------|
| 95063-050 95063-200 96063-01K | PerfeCta® Multiplex qPCR SuperMix |

Components

| | |
|----------------|--|
| 84061 84164 | PerfeCta® Multiplex qPCR SuperMix (2X) |
| 84131 84165 | ROX Reference Dye, 50X |
| 84132 84166 | Low ROX Reference Dye, 50X |

1. PRODUCT AND COMPANY IDENTIFICATION

Product code 95063-050, 95063-200, 95063-01K
84061, 84164
Product name PerfeCta® Multiplex qPCR SuperMix

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

| | |
|-------------------|--------------------------|
| Eyes | No information available |
| Skin | No information available |
| 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 No information available

4. FIRST AID MEASURES

| | |
|---------------------------|---|
| Skin contact | Wash off immediately with plenty of soap and water. If irritation develops, get medical attention. |
| Eye contact | Rinse thoroughly with plenty of water, also under the eyelids. If irritation persists, get medical attention. |
| Ingestion | Never give anything by mouth to an unconscious person |
| Inhalation | Move to fresh air |
| Notes to physician | 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
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 No data available | °F No data available |
| Melting point/range | °C No data available | °F No data available |
| 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 | No data available | |

10. STABILITY AND REACTIVITY

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

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Principle Routes of Exposure/ Potential Health Effects

| | |
|-------------------|--------------------------|
| Eyes | No information available |
| Skin | No information available |
| 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 No information available

12. ECOLOGICAL INFORMATION

Ecotoxicity effects No information available
Mobility No information available
Biodegradation Inherently biodegradable
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

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

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.

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1. PRODUCT AND COMPANY IDENTIFICATION

Product code 84131, 84132, 84132, 84166
Product name ROX Reference Dye, 50X
 Low ROX Reference Dye, 50X

Manufacturer
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3. HAZARDS IDENTIFICATION

Emergency Overview

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Form
 Liquid

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

| | |
|-------------------|--------------------------|
| Eyes | No information available |
| Skin | No information available |
| Inhalation | No information available |
| Ingestion | No information available |

Special effects

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

Target Organs effects

No information available

4. FIRST AID MEASURES

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|---------------------------|---|
| Skin contact | Wash off immediately with plenty of soap and water. If irritation develops, get medical attention. |
| Eye contact | Rinse thoroughly with plenty of water, also under the eyelids. If irritation persists, get medical attention. |
| Ingestion | Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician. |
| Inhalation | If breathed in, move person into fresh air. If not breathing give artificial respiration Consult a physician. |
| Notes to physician | 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

Engineering measures Ensure adequate ventilation, especially in confined areas

Personal protective equipment

Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment
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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

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| Sensitization | No information available |

Target Organ Effects No information available

12. ECOLOGICAL INFORMATION

| | |
|---------------------|--------------------------|
| Ecotoxicity effects | No information available |
| Mobility | No information available |
| Biodegradation | Inherently biodegradable |
| Bioaccumulation | Does not bioaccumulate |

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with local regulations

14. TRANSPORT INFORMATION

IATA

Non-hazardous for air transport

RIS/ADR

Non-hazardous for road transport

IMDG

Non-hazardous for sea transport

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

California Prop. 65 components

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 of the information required by the CPR

| |
|------------------------------|
| 16. OTHER INFORMATION |
|------------------------------|

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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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