<table>
<thead>
<tr>
<th>Product code</th>
<th>Product Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>95063-050</td>
<td>PerfeCta® Multiplex qPCR SuperMix</td>
</tr>
<tr>
<td>95063-200</td>
<td></td>
</tr>
<tr>
<td>96063-01K</td>
<td></td>
</tr>
<tr>
<td>84061</td>
<td>PerfeCta® Multiplex qPCR SuperMix (2X)</td>
</tr>
<tr>
<td>84164</td>
<td></td>
</tr>
<tr>
<td>84131</td>
<td>ROX Reference Dye, 50X</td>
</tr>
<tr>
<td>84165</td>
<td></td>
</tr>
<tr>
<td>84132</td>
<td>Low ROX Reference Dye, 50X</td>
</tr>
<tr>
<td>84166</td>
<td></td>
</tr>
</tbody>
</table>
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
12. ECOLOGICAL INFORMATION

<table>
<thead>
<tr>
<th>Ecotoxicity effects</th>
<th>No information available</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mobility</td>
<td>No information available</td>
</tr>
<tr>
<td>Biodegradation</td>
<td>Inherently biodegradable</td>
</tr>
<tr>
<td>Bioaccumulation</td>
<td>No information available</td>
</tr>
</tbody>
</table>

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with local regulations

14. TRANSPORT INFORMATION

<table>
<thead>
<tr>
<th>IATA</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Proper shipping name</td>
<td>Not classified as dangerous in the meaning of transport regulations</td>
</tr>
<tr>
<td>Hazard Class</td>
<td>No information available</td>
</tr>
<tr>
<td>Subsidiary Class</td>
<td>No information available</td>
</tr>
<tr>
<td>Packing group</td>
<td>No information available</td>
</tr>
<tr>
<td>UN-No</td>
<td>No information available</td>
</tr>
</tbody>
</table>

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.

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.

PerfeCTa is a registered trademark of Quanta BioSciences, Inc.
1. PRODUCT AND COMPANY IDENTIFICATION

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

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

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
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

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
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

| 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

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.

ROX is a trademark of Life Technologies Corporation

END OF SAFETY DATA SHEET