



## FastGene® Probe One Step Mix with UDG

Cat. No.	Product	Content
LS48s	FastGene® Probe One Step Mix with UDG	10 rxns
LS4801		100 rxns
LS4805		500 rxns

### 1. Identity of the substance and the manufacturer

#### 1.1. Name of the substance or preparation

FastGene® Probe One Step Mix with UDG.

#### 1.2. Recommended use of the chemical and restrictions on use

Laboratory research use only.

#### 1.3. Name and address of the manufacturer

NIPPON Genetics EUROPE GmbH  
Mariaweilerstraße 28 a  
52349 Düren  
Germany

#### 1.4. Emergency telephone contact

+49 2421/554960

### 2. Hazards identification

#### 2.1. Classification of the substance or mixture

##### 2.2.1. Classification of Hazards and dangerousness

No relevant classification.



## 2.2.2. Warning article including prevention methods

No relevant classification.

### 2.2.2.1. Category

No relevant classification.

### 2.2.2.2. Hazards and dangerousness

No relevant classification.

### 2.2.2.3. Prevention methods

Prevention	no information available
Action	no information available
Store	no information available
Discard	no information available

## 2.2.3. Other hazards and dangerousness (NFPA) not included in classification

Health	no information available
Fire	no information available
Reactivity	no information available

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## 3. Composition/information about the components

### 3.1. Substance/mixture

Name of the substance	Usual name	CAS No.	Amount (%)
-	-	-	-

No information applicable

This product contains no substances that are considered to be hazardous to health at the product concentration.



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## 4. First aid measures

### 4.1. Eye contact

Immediately rinse skin and eyes thoroughly with plenty of running water for at least 20 minutes. Consult a physician.

### 4.2. Skin contact

Remove contaminated clothes and shoes and isolate contaminated area and immediately rinse skin and eyes thoroughly with plenty of running water for at least 20 minutes. Consult a physician.

A fire risk may exist when drying contaminated clothes.

### 4.3. Inhalation

If inhaled, remove victim from area of exposure.

Perform CPR when there is no breathing or provide oxygen when breathing is difficult.

Provide warmth and stability.

### 4.4. Ingestion

Emergency medical measurers.

### 4.5. Note to physicians

Take protective action according to the material.

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## 5. In case of fire

### 5.1. Proper (improper) fire extinguishing agents

Small fire: dry sand, dry chemical, alcohol-resistant foam, water spray, regular foam, CO<sub>2</sub> (suitable extinguishing agent).

Large fires: water spray/mist, regular foam (suitable extinguishing agent).

High pressure water (improper extinguishing agent).

### 5.2. Specific hazards from chemical compounds

No information available.



### 5.3. Protective equipment and precautions for fire fighting

No information available.

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## 6. In case of spillage

### 6.1. Personal precautions, protective equipment and emergency procedures

Micro particles can ignite fire or explosion therefore remove all the sources of fire.

Separate combustibles from leaked material.

Stop the leak if it is not dangerous.

Do not contact with leaked materials without wearing proper protective equipment.

Give attention to materials and conditions that should be avoid.

### 6.2. Environmental precautions

No information available.

### 6.3. Containment and cleaning up

Build a dike and pool water for fire extinguish.

Do not use flammable materials such as sawdust.

Make a ditch to contain large leak.

Pool released material by clean shovel into clean and dry container, tie it and then remove from released area.

After testing, clean the contaminated area with water.

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## 7. Handling and storage

### 7.1. Precautions for safe handling

Note the substances and conditions to avoid.



Wash thoroughly after handling.

Note the high temperature.

In the event of a spill, the oxygen concentration in the air will be reduced, causing asphyxiation in an enclosed space. Take care not to spill.

Check the oxygen concentration before entering the area, as there is a risk of unconsciousness or death due to lack of oxygen if the concentration in the air is high.

Keep this temperature below 20°C as this material evaporates slowly and reaches dangerous concentrations.

Do not spray as it will evaporate faster if sprayed.

## 7.2. Conditions for safe storage

Keep it tightly closed.

Store in a cool, dry place.

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## 8. Exposure controls/personal protection

The product does not contain any relevant quantities of materials with critical values that need to be monitored at the workplace. The usual precautionary measures are the same as for chemicals handling.

### 8.1. Exposure standard of chemical compound, biological exposure standard

#### 8.1.1. Domestic regulations

No information available.

#### 8.1.2. ACGIH regulation

No information available.

#### 8.1.3. Biological release regulation

No information available.



## 8.2. Individual protection equipment

### 8.2.1. Respiratory protection

No information available.

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## 9. Physical and chemical properties

<b>Appearance</b>	
State	Liquid
Colour	Colorlessness
Odour	Odourless
Odor threshold	No information available
pH	No information available
Melting point/freezing point	No information available
Early boiling point and range	No information available
Flash Point	No information available
Evaporation rate	No information available
Evaporation rate (solid/liquid)	No information available
Maximum/minimum evaporation or explosion range	Not applicable
Steam pressure	No information available
Solubility	No information available
Vapor density	No information available
Specific gravity	No information available
n-octanol/ distribution coefficient	No information available
Self-ignition temperature	No information available
Disassemble temperature	No information available
Viscosity	No information available
Molecular weight	No information available

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## 10. Stability and reactivity

### 10.1. Chemical stability and possibility of hazardous reactions

No information available.



## 10.2. Conditions to avoid

No information available.

## 10.3. Materials to avoid

No information available.

## 10.4. Hazardous decomposition products

No information available.

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# 11. Toxicological information

## 11.1. Information on likely routes of exposure

No information available.

## 11.2. Health maleficence information

### 11.2.1. Acute poison

#### 11.2.1.1. Oral

No information available.

#### 11.2.1.2. Ingestion

No information available.

#### 11.2.1.3. Inhalation

No information available.

### 11.2.2. Skin corrosion or irritant agent

No information available.

### 11.2.3. Serious eye damage or irritation

No information available.



#### **11.2.4. Respiratory organ hypersensitiveness**

No information available.

#### **11.2.5. Skin hypersensitiveness**

No information available.

#### **11.2.6. Carcinogenic**

##### **11.2.6.1. Occupational safety and health acts**

No information available.

##### **11.2.6.2. Employment announcement**

No information available.

##### **11.2.6.3. IARC**

No information available.

##### **11.2.6.4. OSHA**

No information available.

##### **11.2.6.5. ACGIH**

No information available.

##### **11.2.6.6. NTP**

No information available.

##### **11.2.6.7. EU CLP**

No information available.

#### **11.2.7. Germ cell mutagenicity**

No information available.

#### **11.2.8. Reproduction toxicity test**

No information available.





### 11.2.9. Special target poison (1 time exposer)

No information available.

### 11.2.10. Special target poison (long exposer)

No information available.

### 11.2.11. Absorption injurious

No information available.

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## 12. Ecological information

### 12.1. Ecotoxicity

Fish	no information available
Crustacean	no information available
Algae	no information available

### 12.2. Residual fungicide and resolvability

Residual fungicide	no information available
Resolvability	no information available

### 12.3. Life enrichment

Enrichment	no information available
Biodegradability	no information available

### 12.4. Soil

No information available.

### 12.5. Other harmful influences

No information available.



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## 13. Disposal considerations

### 13.1. Waste treatment method

Dispose container and content according to the waster control act.

### 13.2. Disposal considerations

Dispose container and content according to the waster control act.

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## 14. Transport information

### 14.1. IATA

#### 14.1.1. Propriety shipping name

Non-dangerous goods according to transport regulations.

#### 14.1.2. Hazard class

No information available.

#### 14.1.3. Subsidiary class

No information available.

#### 14.1.4. Packing group

No information available.

#### 14.1.5. UN-No

No information available.

#### 14.1.5. Environmental hazards

No information available.



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## 15. Regulatory information

### 15.1. Regulations of occupational safety and health act

No information available.

### 15.2. Regulations of toxic chemicals regulation act

No information available.

### 15.3. Regulations of safety control of dangerous substances act

No information available.

### 15.4. Regulations of waste control act

No information available.

### 15.5. Regulations of other domestic and international act

#### 15.5.1. Domestic act

##### 15.5.1.1. Persistent organic pollutants control act

No information available.

#### 15.5.2. Foreign act

##### 15.5.2.1. American supervision information

No information applicable.

##### 15.5.2.2. CERCLA

No information applicable.

##### 15.5.2.3. EPCRA 302

No information applicable.

##### 15.5.2.4. EPCRA 304

No information applicable.



#### **15.5.2.5. EPCRA 313**

No information applicable.

#### **15.5.3. American supervision information (Rotterdam agreement material)**

No information applicable.

#### **15.5.4. American supervision information (Stockholm agreement material)**

No information applicable.

#### **15.5.5. American supervision information (Montreal protocol material)**

No information applicable.

#### **15.5.6. EU Classification information (Confirmed classification results)**

No information applicable.

#### **15.5.7. EU Classification information (Danger expression)**

No information applicable.

#### **15.5.8. EU Classification information (Safety expression)**

No information applicable.

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## **16. Other information**

This information is based on our present knowledge. Its objective is to describe the product from the point of view of safety, and no warranty is made other than its characteristics. This information does not absolve the user in any circumstances from observing other Legislative, Regulatory and Administrative requirements applying to the product, and to safety, hygiene and the well-being of the people in the workplace.





**NIPPON GENETICS EUROPE GmbH**

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