



FastGene® PAGE Gels 8 cm x 10 cm

Cat. No.	Product	Well format
PG-S012	FastGene® PAGE Gel 8 cm x 10 cm - 12%	12-well format
PG-S412	FastGene® PAGE Gel 8 cm x 10 cm - 4-12%	
PG-S420	FastGene® PAGE Gel 8 cm x 10 cm - 4-20%	
PG-S816	FastGene® PAGE Gel 8 cm x 10 cm - 8-16%	

1. Identity of the substance and the manufacturer

1.1. Name of the substances or preparations

FastGene® PAGE Gels 8 cm x 10 cm

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. GHS - Classification

2.1.1. Signal Word

Not hazardous

2.1.2. Health hazards

Not hazardous



2.1.3. Physical hazards

Not hazardous

2.1.4. Hazard Statements

Not Applicable

2.1.5. Precautionary Statements

Not Applicable

2.2. Principle Routes of Exposure Potential Health Effects

2.2.1. Eyes

May cause eye irritation with susceptible persons.

2.2.2. Skin

May cause skin irritation in susceptible persons.

2.2.3. Inhalation

May be harmful by inhalation.

2.2.4. Ingestion

May be harmful if swallowed.

2.3. Specific effects

2.3.1. Carcinogenic effects

None.

2.3.2. Mutagenic effects

None.

2.3.3. Reproductive toxicity

None.

2.3.4. Sensitization

None.

2.3.5. Target Organ Effects

No known effects under normal use conditions.



2.4. HMIS

2.4.1. Health: 0

2.4.2. Flammability: 0

2.4.3. Reactivity: 0

3. Composition/information on ingredients

Chemical Name	CAS No.	EINECS-No	Weight %
Bis-Tris	6976-37-0	230-237-7	7.33
Glycerol	56-81-5	200-289-5	6.32
EDTA	6381-92-6	200-449-4	0.03

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

4. First aid measures

4.1. Skin contact

May cause skin irritation in susceptible persons.

4.2. Eye contact

May cause eye irritation with susceptible persons.

4.3. Ingestion

May be harmful if swallowed.

4.4. Inhalation

May be harmful by inhalation.

4.5. Notes to Physician

Treat symptomatically.



5. Firefighting measures

5.1. Suitable extinguishing media

Water spray. Carbon dioxide (CO₂). Foam. Dry chemical.

5.2. Special protective equipment for firefighters

Standard procedure for chemical fires.

6. Accidental release measures

6.1. Personal precautions

Always wear recommended Personal Protective Equipment. Use personal protection equipment.

6.2. Methods for cleaning up

Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

6.3. Environmental precautions

No special environmental precautions required.
See Section 12 for more information.

7. Handling and storage

7.1. Handling

Always wear recommended Personal Protective Equipment. No special handling advices are necessary.

7.2. Storage

Storage at 4°C



8. Exposure controls/personal protection

8.1. Exposure Limits

Chemical Name	OSHA PEL	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Bis-Tris	None	None	None	None
Glycerol	15 mg/m ³ 5 mg/m ³	None	None	None
EDTA	None	None	None	None

8.2. Engineering measures

Ensure adequate ventilation, especially in confined areas.

8.3. Personal protective equipment

Personal Protective Equipment requirements are dependent on the user institution's risk assessment and are specific.

8.3.1. Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment.

8.3.2. Hand protection

Impervious gloves.

8.3.3. Eye protection

Wear safety glasses with side shields (or goggles).

8.3.4. Skin and body protection

Lightweight protective clothing.

8.3.5. Hygiene measures

Handle in accordance with good industrial hygiene and safety practice.

8.4. Environmental exposure controls

No special environmental precautions required.assessment and are specific.



9. Physical and chemical properties

9.1. Physical and chemical properties

Form	Liquid
Appearance	Liquid solution / gel
Odor	No data available
Odor Threshold	No data available
Boiling point / boiling range	No data available
Melting point / melting range	No data available
Flash point	No data available
Autoignition Temperature	No data available
Oxidizing properties	No data available
Water solubility	No data available

10. Stability and reactivity

10.1. Stability

Stable under normal conditions.

10.2. Materials to avoid

No dangerous reaction known under conditions of normal use.

10.3. Hazardous decomposition

None under normal use conditions.

10.4. Products polymerization

Hazardous polymerization does not occur.

11. Toxicological information

11.1. Acute toxicity

Chemical Name	LD50 (oral,rat/mouse)	LD50 (dermal,rat/rabbit)	LC50 (inhalation,rat/mouse)
Bis-Tris	No data available	No data available	No data available
Glycerol	No data available	No data available	>570mg/m ³ (Rat)
EDTA	No data available	No data available	No data available



11.2. Principle Routes of Exposure Potential Health Effects

No data available.

11.2.1. Eyes

May cause eye irritation with susceptible persons.

11.2.2. Skin

May cause skin irritation in susceptible persons.

11.2.3. Inhalation

May be harmful by inhalation.

11.2.4. Ingestion

May be harmful if swallowed.

11.2.5. Carcinogenic effects

None.

11.2.6. Mutagenic effects

None.

11.2.7. Reproductive toxicity

None.

11.2.8. Sensitization

None.

12. Ecological information

12.1. Ecotoxicity

Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants..

12.2. Mobility

No information available.

12.3. Biodegradation

Inherently biodegradable.

12.4. Bioaccumulation

Material does not bioaccumulate.



Chemical Name	Freshwte Algae Data	Water Flea Data	Freshwater Fish Species Data	Microtox Data	log Pow
Bis-Tris	-	-	-	-	-
Glycerol	-	-	-	-	log Pow-1.76
EDTA	-	-	-	-	-

13. Disposal considerations

Dispose of contents/containers in accordance with local regulations.

14. Transport information

14.1. IATA

14.1.1. Proper Shipping Name

No dangerous good in sense of these transport regulations

14.1.2. Hazard Class

None

14.1.3. Subsidiary class

None

14.1.4. Packing group

None

14.1.5. UN-No

None

15. Regulatory information

15.1 US Federal Regulations

15.1.1. SARA 313

This product is not regulated by SARA.

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

This product does not contains HAPs.



15.2. US State Regulations

Chemical Name	Massachusetts - RTK	New Jersey - RTK	Pennsylvania - RTK	Illinois - RTK	Rhode Island - RTK
Bis-Tris	-	-	-	-	-
Glycerol	Listed	-	Listed	-	Listed
EDTA	-	-	-	-	-

15.2.1. California Proposition 65

This product does not contain any Proposition 65 chemicals.

15.3. WHMIS Hazard Class

Non-controlled

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

16. Other information

16.1 Reason for revision

SDS sections updated.

For Research Use Only. Not for use in diagnostic procedures.

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 present unknown hazards and should be used with caution. Since the Company 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 SDS DOES NOT CONSTITUTE A WARRENTY, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PUPOSE.



NIPPON GENETICS EUROPE GmbH

Mariaweilerstraße 28 a, 52349 Düren

Amtsgericht Düren HRB 4672,

Bank data UFJ bank Limited: Identification code: 30130700

Account number: 610762

Managing Director: Dr. Jürgen Lünzer, Kazuo Yamazaki

Value Tax ID: DE 239977252

