

Safety Data Sheet

LiliF® Blackleg Real-time PCR Kit

MSDS-EN-IP24740-R01

Revision Date : 25/Mar/2026

Initial Issue Date : 29/May/2025

Previous Revision Date : 29/May/2025

1. Identification

- Product Name : LiliF® Blackleg Real-time PCR Kit
- Product Code : IP24740
- Intended Use : Bio-Reagent / Real-time PCR kit
- Manufacturer : iNtRON Biotechnology, Inc.
- Address : #701, 702, 904, 905, 137, Sagimakgol-ro, Jungwon-gu, Seongnam-si, Gyeonggi-do, Korea
- Telephone : +82-31-739-5678
- Emergency : +82-31-739-5678

2. Hazards Identification

GHS Classification : - Not classified (non-hazardous product)

Pictogram : - None

Signal Word : - None

Hazard Statements (H phrase) : - None

Precautionary Statements (P phrase) : - None

3. Composition/Information of Ingredients

Components	CAS No.	Content (%)
Tris(hydroxymethyl) aminomethane hydrochloride monohydrate	1185-53-1	< 0.2%
Potassium Chloride	7447-40-7	< 0.1%
Magnesium chloride	7786-30-3	< 0.01%
Ammonium sulfate,	7783-20-2	< 0.05%
Trehalose	6138-23-4	< 1
Bovine Serum Albumin, BSA	9048-46-8	< 0.05%

4. First-Aid Measures

- Inhalation: Not expected to cause symptoms. Provide fresh air if needed.

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- Skin Contact: Wash with water if contaminated with impurities.
- Eye Contact: Rinse with water if irritation occurs.
- Ingestion: Rinse mouth. If large amounts are ingested, seek medical advice.

5. Fire-Fighting Measures

Non-flammable. Use appropriate extinguishing media depending on surrounding materials.

6. Accidental Release Measures

Wipe up with absorbent material or clean cloth. Prevent from entering drains if contaminated.

7. Handling and Storage

Store in a tightly closed container. Avoid contamination and direct sunlight or high temperatures.

8. Exposure Controls / Personal Protection

No specific PPE required under normal use. If contaminated, use appropriate protection.

9. Physical and Chemical Properties

Colorless, Odorless, Boiling Point : Not applicable, Flash Point : Not applicable (non-flammable)

10. Stability and Reactivity

Stable under normal usage conditions.

- Conditions to Avoid: None known
- Incompatible Materials: None known
- Hazardous Decomposition: None under normal use

11. Toxicological Information

Acute Toxicity: Not toxic

Skin/Eye Irritation: Not irritating

Inhalation: No adverse effects expected except in aerosolized form

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Carcinogenicity: Not classified

12. Ecological Information

No environmental hazards known

Readily biodegradable

Not bioaccumulative

13. Disposal Considerations

- If uncontaminated, may be disposed into regular wastewater systems
- Ensure proper classification if contaminated

14. Transport Information

UN Number: Not applicable (non-hazardous)

Hazard Class: Not applicable

Packing Group: Not applicable

Proper Shipping Name: Water (non-hazardous)

IMDG/IATA: Not regulated

15. Regulatory Information

- KOSHA: Not regulated
- Chemical Control Act: Not subject to notification
- Dangerous Substances Safety Act: Not applicable
- Handle and store in accordance with applicable regulations

16. Other Information

This document is based on currently available information and is intended for use under normal conditions.

Date of Preparation: 25/Mar/2026

Prepared by: iNtRON Biotechnology, Inc.

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