

Safety data sheet

Cell Collect G

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Cell Collect G

Product number: LR020000

Brand: CELLINK

General use: Enzymatic lysis reagent for use in cell isolation and/or gelatin- or collagen-based bioink degradation. Relevant for PCR, single-cell analyses, drug delivery, regenerative medicine and tissue engineering applications. For research use only, not for human use.

Company address:

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USA

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Sweden

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Emergency telephone number:

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support@cellink.com
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2. HAZARDS IDENTIFICATION

Potential Health Effects: Health Hazard

Hazard Pictograms:



Signal Word: Danger

Hazard Statements: H315 Causes skin irritation

H319 Causes serious eye irritation

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled

H335: May cause respiratory irritation

Precautionary Statements:

P261 Avoid breathing dust/fume/gas/mist/vapors/spray.

P264 Wash skin thoroughly after handling

P271 Use only outdoors or in a well-ventilated area

P280 Wear protective gloves/eye protection/face protection

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS#	EC No.	Classification	Composition
Collagenase	9001-12-1	232-582-9	H315, H319, H334, H335	-

4. FIRST AID MEASURES

In case of eye contact: Immediately flush eyes with plenty of water. Remove contact lenses. If eye irritation persists, obtain medical attention.

In case of skin contact: Wash with soap and plenty of water. If skin irritation persists, obtain medical attention.

If swallowed: Never give anything by mouth to an unconscious person. First rinse mouth with plenty of water and then drink plenty of water. If problems persist, obtain medical attention and immediately transport patient to hospital

If inhaled: If breathed in, move person into fresh air. Immediately contact physician.

Notes to medical doctor: This product has low oral and inhalation toxicity. It is not skin sensitizer and is non-irritating to the skin and eyes.

5. FIRE FIGHTING MEASURES

Extinguishing media: Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.

Fire/explosion hazards: No data available.

Firefighting procedures: Wear self-contained breathing apparatus for firefighting if necessary.

Flammable limits: No data available.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures: Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas.

Environmental precautions: Do not let product enter drains.

Methods and materials for containment and cleaning up: Sweep up and shovel. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling: Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection. Avoid contact with skin and eyes.

Conditions for safe storage: Store at 4-8°C, keep container tightly closed in a dry place. Protect from light.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits: N/A

Personal protection equipment

Eyes and face: Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

Respiratory: Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or P1 (EN143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Protective clothing: Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific workplace. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Gloves: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin

contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Full contact

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Breakthrough time: 480 min

Material tested: Dermatril® (KCL 740 / Aldrich Z677272, Size M)

Splash contact

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Breakthrough time: 480 min

Material tested: Dermatril® (KCL 740 / Aldrich Z677272, Size M)

Data source: KCL GmbH, D-36124 Eichenzell; phone: +49 (0)6659 87300; e-mail: sales@kcl.de; test method: EN374

If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

9. PHYSICAL AND CHEMICAL PROPERTIES.

Appearance:	Powder
Upper/lower flammability:	N/A
Odor:	Odorless
Vapor pressure:	N/A
Odor threshold:	N/A
Vapor density:	N/A
pH:	N/A

Relative density:	N/A
Melting point:	N/A
Solubility in water:	Soluble
Boiling point:	N/A
Flash point:	N/A
Evaporation rate:	N/A
Flammability:	Not flammable
Partition coefficient:	N/A
Autoignition temp:	N/A
Decomposition temp:	Heat sensitive

10. STABILITY AND REACTIVITY

Conditions to avoid:	Heating, exposure to light.
Reactivity:	No data available.
Stability:	Stable under recommended storage conditions.
Possibility of hazardous reactions:	No data available.
Incompatible materials:	Strong oxidizing agents.
Hazardous decomposition products:	Carbon dioxide, nitrogen oxides (NO _x), sulphur oxides.

11. TOXICOLOGICAL INFORMATION

Acute toxicity:

Oral LD50: No data available.

Inhalation: No data available.

Dermal: No data available.

Skin corrosion/irritation: May cause skin irritation.

Serious eye damage/eye irritation: May cause serious eye damage.

Germ cell mutagenicity: No data available.

Carcinogenicity:

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as Aldrich - W201502 Page 5 of 6 probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: No data available

Specific target organ toxicity - single exposure: No data available

Specific target organ toxicity - repeated exposure: May cause irritation in respiratory system.

Aspiration hazard: No data available.

Additional Information: No data available.

12. ECOLOGICAL INFORMATION

Toxicity: No known ecotoxicological effects.

Persistence and degradability: No data available.

Bioaccumulative potential: No data available.

Mobility in soil: No data available.

Results of PBT and vPvB assessment: PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects: No data available.

13. DISPOSAL CONSIDERATIONS**Waste treatment methods**

Product: Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging: Dispose of as unused product.

14. TRANSPORT INFORMATION

U.S. Department of Transportation (DOT): Not dangerous goods

International Maritime Dangerous Goods (IMDG): Not dangerous goods

ADR – European agreement concerning the international carriage of dangerous goods by road: Not dangerous goods

Additional information: Not regulated.

Other information: N/A

15. REGULATORY INFORMATION

SARA 302 Components: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards: No SARA Hazards

Massachusetts Right to Know Components: No components are subject to the Massachusetts Right to Know Act.

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Pennsylvania Right to Know Components: Collagenase

New Jersey Right to Know Components: Collagenase

California Prop. 65 Components:

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

16. OTHER INFORMATION

HMIS Rating

Health hazard: 2

Chronic Health Hazard: Unknown, allergic reactions may develop in certain sensitive individuals.

Flammability: 0

Physical Hazard: 0

NFPA Rating

Health hazard: 2

Fire Hazard: 0

Reactivity Hazard: 0