

## Material Safety Data Sheet

### CELECO1 E.coli spheroplast DNA extraction kit

Version: 2  
Creation Date: 11/08/17  
Revision Date:  
Product Numbers: CEL-ECO1

#### Section 1. Product and Company Information

##### Product Description:

Component	Contents (in H <sub>2</sub> O)	Unit	Storage Temp
Wash Buffer E1	Tris, EDTA, Sucrose	30ml bottle	4°C
Spheroplast Buffer E2	Tris, EDTA, NaCl	60ml bottle	4°C
Qubit Lysis Buffer E3	NaCl, EDTA, SDS, Tris-TAPS	30ml bottle	RT

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#### Section 2. Composition, Information on Ingredients

CAS-No.	EC-No.	Chemical Name	Concentration
77-86-1	201-064-4	Tris (hydroxymethyl)aminomethane (Tris)	<5% wt %
6381-92-6	205-358-3	Ethylenediaminetetraacetic acid disodium dehydrate (EDTA)	<1% wt %
57-50-1	200-334-9	Sucrose	<1% wt %
7647-14-5	231-598-3	Sodium Chloride (NaCl)	<1% wt %
151-21-3	205-788-1	Sodium dodecyl sulfate – (SDS)	<5% wt %
29915-38-6	249-954-1	3-(Tris(hydroxymethyl)methylamino)propane-1-sulphonic acid (TAPS)	<5% wt %
7732-18-5	231-791-2	Water	>90% wt %

**Section 3. Hazards Identification****Emergency Overview**

Appearance: uncolored clear liquids

**Target Organs:** No data found.

**OSHA Hazards****HMIS Classification**

Health Hazard: N/A  
Flammability: N/A  
Physical hazards: N/A

**NFPA Rating**

Health Hazard: N/A  
Fire: N/A  
Reactivity Hazard: N/A

**Potential Health Effects (Labeled DNA marker)**

Inhalation: N/A  
Skin: N/A  
Eyes: N/A  
Ingestion: N/A

**Section 4. First Aid Measures**

General Advice: N/A  
Inhalation: N/A  
Skin: N/A  
Eyes: N/A  
Ingestion: N/A

**Section 5. Fire-Fighting Measures****Flammable Properties**

Flash Point: No data available  
Ignition Temperature: No data available

**Section 6. Accidental Release Measures**

N/A

**Section 7. Handling and Storage****Handling**

Standard Laboratory practice

**Storage**

Room Temperature or 4°C. See page 1.

**Section 8. Exposure Controls/Personal Protection**

Contains no substance with occupational exposure limit values.  
Facilities using this substance should be equipped with an eye-wash station.

**Personal protective equipment****Respiratory protection:** Respiratory protection is not required.**Hand protection:** Handle with gloves.**Eye protection:** Use safety glasses with side-shield conforming to OSHA 29 CFR 1910.133 and European Standard EN-166**Clothing:** Wear appropriate clothing to prevent skin exposure.**Section 9. Physical and Chemical Properties**

**Physical State:** Liquid  
**Appearance:** Clear  
**Odor:** None  
**pH:** No data available  
**Melting point:** No data available  
**Boiling point:** No data available  
**Flash point:** No data available  
**Ignition temperature:** No data available  
**Lower explosion limit:** No data available  
**Upper explosion limit:** No data available

**Section 10. Stability and Reactivity****Storage Stability**

Stable under recommended storage conditions.

**Materials to avoid**

Strong oxidizing agents.

**Hazardous decompositions products**

Hazardous decomposition products formed under fire conditions: Carbon oxides, nitrogen oxides.

**Section 11. Toxicological Information**

<b>Toxicity:</b>	No information found
<b>Epidemiology:</b>	No information found
<b>Teratogenicity:</b>	No information found
<b>Reproductive Effects:</b>	No information found
<b>Mutagenicity:</b>	No information found
<b>Neurotoxicity:</b>	No information found

**Section 12. Ecological Information**

No information available.

**Section 13. Disposal Considerations****Product**

Observe all federal, stated, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material. Confer with laboratory safety officer. When used in cassettes, dispose of as agarose waste, ethidium homodimer concentration is negligible.

**Contaminated packaging**

Dispose of as unused product.

**Section 14. Transport Information****DOT (US)**

Not dangerous goods.

**IMDG**

Not dangerous goods.

**IATA**

Not dangerous goods.

**Section 15. Regulatory Information****US Federal****OSHA**

Irritant. Not considered highly hazardous.

**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 are reportable under SARA Title III, Section 313.

**US State**

Materials are not present on state lists from CA, PA, MN, MA, FL, or NJ.

**California Prop 65**

California No Significant Risk Level: None of the chemicals in this product are listed.

**TSCA**

This product does not contain components listed on the TSCA inventory.

**Health & Safety Reporting List**

None of the chemicals are on the Health & Safety Reporting List.

**Chemical Test Rules**

None of the chemicals in this product are under a Chemical Test Rule.

**CERCLA Hazardous Substances and corresponding RQs**

None of the chemicals in this material have an RQ.

**Clean Air Act**

This material does not contain any hazardous air pollutants or Ozone depleters.

**Clean Water Act**

None of the chemicals in this product are listed as Hazardous Substances under the CWA.

None of the chemicals in this product are listed as Priority Pollutants under the CWA.

None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

**Canada****DSL Status**

This product does not contain components that are on the Canadian DSL or NDSL lists.

**European/International Regulations****European Labeling in Accordance with EC Directives****Hazard Symbols:****Risk Phrases**

R 68 Possible risk of irreversible effects.

**Safety Phrases**

S 24/25 Avoid contact with skin and eyes.

S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S 28A After contact with skin, wash immediately with plenty of water

**Section 16. Other Information**

This information in this document is believed to be correct and current at the date of its authorship or revision. The information does not imply guarantee or warranty but should be used as a guide only. Users of this product should conduct their own investigations into safety precautions and local disposal requirements. Sage Science Inc., shall not be held liable for and damage from handling on contact with the product.