

Material Safety Data Sheet

Section 1: Identification of the Substance or Mixture

Product Code: 10030, 10098

Product Name: Revolution cfDNA Elution Buffer
Revolution cfDNA Elution Buffer 0.5

For *In Vitro* Diagnostic Use in conjunction with nRichDX Revolution cfDNA Max 20XL, Max 20, and Reagent 0.5 kits.

Details of the supplier of the material safety data sheet



Address: 15339 Barranca Parkway
Irvine, CA 92618 USA

Phone: +1.949.341.1980

Fax: +1.949.341.1982

Support: info@nrichdx.com

Website: www.nrichdx.com

24 hour Emergency Response for Hazardous Materials [or Dangerous Goods] Incident, or Accident: Call CHEMTREC

+1.703.741.5970 / 1.800.424.9300

Section 2: Hazards Identification

GHS Classification

Signal Word: None

Hazard pictograms: None

Health Hazards: Not Hazardous

Physical Hazards: Not Hazardous

Environmental Hazards: Not Hazardous

Hazard Statements

Not Applicable

Precautionary Statements

Prevention: Not Applicable

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Response: Not Applicable
Storage: Not Applicable
Disposal: Not Applicable
Other hazards: Not Applicable

HMIS

Health 0
Flammability 0
Reactivity 0

Section 3: Composition/Information on Ingredients

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

Section 4: First Aid Measures

Description of First Aid Measures

Skin contact: Rinse with plenty of water. Immediate medical attention is not required.

Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Ingestion: Not expected to present a significant ingestion hazard under anticipated conditions of normal use. If you feel unwell, seek medical advice.

Inhalation: Not expected to be an inhalation hazard under anticipated conditions of normal use of this material. Consult a physician if necessary.

Notes to Physician: Treat Symptomatically.

Most important symptoms and effects, both acute and delayed: Not Applicable

Indication of any immediate medical attention and special treatment needed: None

Section 5: Firefighting Measures

Suitable extinguishing media: Water spray. Carbon dioxide (CO₂). Foam. Dry chemical.

Unsuitable extinguishing media: No information available.

Special hazards arising from the substance or mixture: Not known.

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Advice for fire-fighters: Standard procedure for chemical fires.

Section 6: Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures:

Ensure adequate ventilation. Always wear recommended Personal Protective Equipment. Use personal protection equipment. See Section 8 for more detail.

Environmental precautions:

No special environmental precautions required.

Methods and material for containment and cleaning up:

Soak up with inert absorbent material.

Reference to other sections:

See section 8 for more information.

Section 7: Handling and Storage

Precautions for safe handling:

Use personal protective equipment as required.

Conditions for safe storage, including any incompatibilities:

Keep in a dry, cool and well-ventilated place. Keep in properly labeled containers.

Specific end use(s):

For in vitro diagnostic use in conjunction with nRichDX Revolution cfDNA Max 20XL, Max 20, and Reagent 0.5 kits.

Section 8: Exposure Controls/Personal Protection

Control Parameters

Exposure Limits

Contains no substances with occupational exposure limit values.

Engineering measures

Ensure adequate ventilation, especially in confined areas

Exposure controls

Personal protective equipment

Respiratory protection:

In case of insufficient ventilation wear respirators and components tested and approved under appropriate government standards.

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Hand protection:	Wear suitable gloves. Glove material: Compatible chemical-resistant gloves.
Eye protection:	Tightly sealing safety goggles.
Skin and Body Protection:	Wear suitable protective clothing.
Hygiene Measures:	Handle in accordance with good industrial hygiene and safety practice.

Environmental exposure controls:
No special environmental precautions required.

Section 9: Physical and Chemical Properties

Information on Basic Physical and Chemical Properties

Appearance:	Liquid
Odor:	No data available
pH:	Mixture has not been tested
Melting point/melting range	°C Mixture has not been tested °F Mixture has not been tested
Boiling point/boiling range	°C Mixture has not been tested °F Mixture has not been tested
Flash point:	°C Mixture has not been tested °F Mixture has not been tested
Autoignition Temperature:	°C Mixture has not been tested °F Mixture has not been tested
Decomposition temperature:	°C Mixture has not been tested °F Mixture has not been tested
Evaporation rate:	No data available
Flammability (solid, gas):	No data available
Upper explosion limit:	Mixture has not been tested
Lower explosion limit:	Mixture has not been tested
Vapor Pressure:	Mixture has not been tested
Relative density:	Mixture has not been tested
Specific gravity:	No data available
Solubility:	No data available
Partition coefficient n-octanol/water:	No data available
Explosive properties:	Mixture has not been tested
Other information:	No data available.

Section 10: Stability and Reactivity

Reactivity:	None known.
Chemical stability:	Stable under normal conditions.
Possibility of hazardous reactions:	Hazardous reaction has not been reported.

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Conditions to avoid:	No information available.
Incompatible materials:	No dangerous reaction known under conditions of normal use.
Hazardous decomposition products:	No data available.

Section 11: Toxicological Information

Information on Toxicological Effects

There is no evidence available indicating acute toxicity.

Principal Routes of Exposure

Irritation:	Data are conclusive but not sufficient for classification.
Corrosivity:	Data are conclusive but not sufficient for classification.
Sensitization:	Data are conclusive but not sufficient for classification.
STOT – Single Exposure:	Data are conclusive but not sufficient for classification.
STOT – Repeated Exposure:	Data are conclusive but not sufficient for classification.
Carcinogenicity:	Data are conclusive but not sufficient for classification.
Mutagenicity:	Data are conclusive but not sufficient for classification.
Reproductive toxicity:	Data are conclusive but not sufficient for classification.
Aspiration hazard:	Data are conclusive but not sufficient for classification..

Section 12: Ecological Information

Toxicity:

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

Persistence and degradability:	No information available.
Bioaccumulative potential:	No information available.
Results of PBT and vPvB assessment:	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
Other adverse effects:	No information available.

Section 13: Disposal Considerations

Waste Treatment Methods

The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in according to approved disposal technique. Disposal of this product, its solutions or of any by-products, shall comply with the requirements of all applicable local, regional or national/federal regulations.

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Section 14: Transport Information

IAT/ADR/DOT-US/IMDG:

Not regulated in the meaning of transport regulations

UN number: Not applicable

UN proper shipping name: Not applicable

Transport hazard class(es): Not applicable

Packing group: Not applicable

Environmental hazards: Not Hazardous.

Special precautions for user: Not Applicable,

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code: Not Applicable.

Section 15: Regulatory Information

US Federal Regulations

SARA 313

This product is not regulated by SARA.

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

This product does not contain HAPs.

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

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.

Section 16: Other Information

Reason for revision: Original version

Revision number: A

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Revision date: 10-January-2020

Use: For In Vitro Diagnostic Use

References:

- ECHA: <http://echa.europa.eu/>
- TOXNET: <http://toxnet.nlm.nih.gov/>
- eChemPortal: <http://www.echemportal.org/>
- LOLI database: <https://www.chemadvisor.com/loli-database>

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