Safety Data Sheet

Identification

Product name: ElioDX™ Do-It-Yourself (DIY) Kit
REF: RD-DIY10012
Intended use: Research Use Only (RUO). Not for in vitro diagnostic (IVD) use.
Date of issue: 2025-08-25
Revision: 0

Supplier: Elionova AG

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Note: This SDS covers the kit and its reagents at their supplied concentrations.

Hazard(s) Identification (GHS/CLP)

Classification under CLP (EC) No 1272/2008: Not classified as hazardous at supplied concentrations.

Classification under OSHA HCS (29 CFR 1910.1200): Not classified as hazardous.

Label elements: No pictogram, signal word, or hazard statements required.

Other hazards: Aqueous, preservative-free formulations; avoid ingestion, eye/skin contact, and aerosol formation.

Information on Ingredients

Mixtures: This kit contains aqueous, preservative-free buffers and reagents.

Hazardous components: None at or above regulatory disclosure thresholds (CLP/OSHA).

Sodium azide or isothiazolinone preservatives: Not present in supplied formulations.

Component	CAS / EC	Classification
10X Coating Buffer pH 7.4	—	Not classified
10X Washing Buffer	—	Not classified
10X Blocking Buffer	—	Not classified

	10X Stabilizing Buffer	—	Not classified
	10X Detection Buffer	—	Not classified
	5X Assay Diluent A	—	Not classified
	ElioDX™ Core Cuvette	—	Article — not a substance/mixture

First-Aid Measures	**General:** If symptoms occur, get medical advice. Show SDS. **Inhalation:** Move to fresh air. Seek attention if unwell. **Skin contact:** Wash with soap and water. If rash/irritation occurs, seek medical advice. **Eye contact:** Rinse cautiously with water for several minutes; remove contact lenses; continue rinsing. Seek medical attention if irritation persists. **Ingestion:** Rinse mouth. Do not induce vomiting. Seek medical advice.
Fire-Fighting Measures	**Suitable extinguishing media:** Water spray, foam, CO_2, or dry chemical (adapt to surroundings). **Specific hazards:** Non-combustible aqueous solutions; no known hazardous combustion products under normal conditions. **Advice for firefighters:** Standard protective equipment; avoid inhalation of combustion gases.
Accidental Release Measures	**Personal precautions:** Avoid eye/skin contact; wear laboratory PPE (gloves, coat, eye protection). **Environmental precautions:** Prevent release to drains or surface water. **Methods for cleanup:** Absorb with inert material and dispose in accordance with local regulations
Handling and Storage	**Handling:** Use in accordance with good laboratory practice; avoid aerosol generation and ingestion. **Storage:** Store reagents at 2–8 °C unless otherwise specified on the label; protect from light where indicated. **Specific end use:** Research use only (RUO). Not for IVD.
Exposure Controls	**Exposure limits:** No occupational exposure limits for mixture components at supplied concentrations.

Engineering controls: Work in a well-ventilated area; use spill trays where practical.

Personal protective equipment (PPE): Laboratory coat, protective gloves, and safety glasses.

Environmental exposure controls: Avoid discharge to drains; contain spills.

Physical and Chemical Properties

Property	Value
Appearance	Aqueous solutions; colorless to slightly colored (Note: ElioDX™ 10X Detection Buffer is dark blue)
Odor	None or faint
Odor threshold	Not determined
pH	~7–8 (buffers) unless otherwise specified.
Melting/freezing point	Approx. 0 °C (water-based)
Initial boiling point and range	Approx. 100 °C (water-based)
Flash point	Not applicable (aqueous)
Evaporation rate	Not determined
Flammability	Not applicable
Upper/lower explosion limits	Not applicable
Vapor pressure	Similar to water
Vapor density	Similar to water
Relative density	Approx. 1.0 (water-based)
Solubility	Completely miscible in water
Partition coefficient (n-octanol/water)	Not determined (mixture)
Decomposition	Avoid microbial contamination; some reagents light-sensitive.

Stability and Reactivity

Reactivity: No dangerous reactions known under normal conditions.

	Chemical stability: Stable under recommended storage conditions. **Conditions to avoid:** Extremes of temperature; contamination. **Incompatible materials:** Strong oxidizers may affect organic components. **Hazardous decomposition products:** None known under normal conditions.
Toxicological information	**Likely routes of exposure:** Skin/eye contact, ingestion; inhalation of aerosols if generated. **Acute toxicity:** Not expected to be acutely toxic at supplied concentrations. **Skin/eye irritation:** Not expected to cause irritation under normal handling; rinse if contact occurs. **Sensitization:** Not expected; no sensitizing preservatives included. **Germ cell mutagenicity / Carcinogenicity / Reproductive toxicity:** No components at reportable levels associated with these hazards. **STOT-SE / STOT-RE / Aspiration hazard**: Not expected at supplied concentrations.
Ecological Information	**Ecotoxicity:** Not expected to be hazardous to the aquatic environment in supplied volumes; avoid release to drains. **Persistence/degradability:** Not determined (mixtures). **Bioaccumulative potential:** Not expected for aqueous buffers at supplied concentrations. **Mobility in soil:** High (aqueous). **Other adverse effects:** None known.
Disposal Considerations	Dispose of contents/container in accordance with local/regional/national regulations. Small volumes may be absorbed and discarded as laboratory waste; avoid discharge to drains.
Transport Information	UN number: Not regulated as dangerous goods. UN proper shipping name: Not regulated. Transport hazard class(es): Not regulated.

	Packing group: Not regulated. Marine pollutant: No. Special precautions for user: None.
Regulatory Information	**Classification/labeling**: Mixtures assessed under CLP (EC) 1272/2008 and OSHA HCS 2012; not classified as hazardous. **REACH:** Mixture; component registration status available on request. No SVHC >0.1% in the supplied article (cuvette), to the best of our knowledge. **Intended use:** Research Use Only (RUO), not for IVD. **EUH210**: For EU professional users, EUH210 (“Safety data sheet available on request”) may be applied by the supplier.
Other information	Abbreviations: CLP — Classification, Labelling and Packaging Regulation; OSHA HCS — Hazard Communication Standard; RUO — Research Use Only; SVHC — Substance of Very High Concern. Revision note: Initial draft created from kit specification. Disclaimer: The information is believed to be accurate; the SDS must be finalized with exact formulations and local regulatory requirements.

Annex A — Kit Contents (for reference)

- ElioDX™ Core Cuvette: 100 units (plastic articles).
- ElioDX™ 10X Coating Buffer, pH 7.4: 1 × 10 mL.
- ElioDX™ 10X Washing Buffer: 2 × 10 mL.
- ElioDX™ 10X Blocking Buffer: 1 × 10 mL.
- ElioDX™ 10X Stabilizing Buffer: 1 × 10 mL.
- ElioDX™ 10X Detection Buffer: 2 × 1 mL.
- ElioDX™ 5X Assay Diluent A: 1 × 5 mL.

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