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## Material Safety Data Sheet

**Product Name:** Mitochondrial DNA Damage Analysis Kits

**Product Number:** DD2H, DD2M, DD2R

**Manufacturer:**

Detroit R&D, Inc.  
2727 Second Ave. Suite 4113  
Detroit, MI 48201  
Tel: 313.961.1606 Fax: 313.963.7130

**Components:**

Description	Quantity
2X concentrated QPCR buffer (450 uL)	1
QPCR test DNA (10 uL)	1
QPCR DNA primer mix (225uL)	1
5X Enhancer (180uL)	1
Real-time DNA standard (25 uL)	1
Real-time primer mix (100 uL)	1

The above listed components are intended for research use only.

**Hazards:** The chemical, physical, and toxicological properties of the above components have not been extensively studied. Normal laboratory safety procedures should be adhered to when handling the product or the components contained within, avoid direct physical contact wherever possible.

**First Aid Measures**

**Ingestion:** Provided the person is conscious, wash out mouth with water. Seek medical attention immediately. Do not induce vomiting unless directed by medical personnel.

**Inhalation:** Remove person to fresh air. If breathing becomes difficult or stops, administer oxygen or artificial respiration via trained personnel. Seek immediate medical attention.

**Skin Contact:** Immediately remove any contaminated clothing and wash affected area extensively with soap and water. If symptoms ensue seek medical attention.

**Eye Contact:** Separate eyelids, remove any contact lenses present and flush eyes with ample amounts of water for a minimum of 15 minutes. Seek medical attention.

**Fire Fighting Measures:** The components included in this product pose no major risk of fire. If one does occur, use appropriate extinguishing media.

**Accidental Release Measures:** Wear appropriate protective gear. Absorb the spill with an inert material and dispose of according to proper regulations. Ventilate the contaminated area and wash down the area with soap and water.

**Handling and Storage:** Store all components in closed containers and at the correct temperature, as specified by the component label (and spec sheet). Wear gloves and avoid physical contact if possible. Wash hands after handling.

**Stability and Reactivity:** Given the correct storage procedures are followed, the components are stable until the listed expiration date.

**Toxicological Information:** The toxicological effects of these components have not been extensively studied.

**Ecological Information:** Not available.

**Disposal Information:** Dispose of according to all Federal, State, and Local regulations.

**Transportation Information:** Not restricted for IATA