



# Safety Data Sheet

Revision Date: 28 February 2025

## Product Name: DetectX® FRAP™ (Ferric Reducing Antioxidant Power) Colorimetric Detection Kit

### Section 1: Identification

**Product Name:** DetectX® FRAP™ Colorimetric Detection Kit  
**Also known as:** Catalog Number K043-H1  
**Manufacturer / Supplier:** Arbor Assays  
1143 Highland Dr, Ste A  
Ann Arbor, MI 48108-5001 Telephone 734-677-1774 (U.S.)  
U.S.A.  
**Recommended Use:** For Research Use Only

### Section 2: Hazard(s) Identification

**Classification:** Regulation (EC) No. 1272/2008 [CLP/GHS]  
**Hazard statements:** This product contains no substances considered hazardous to health at supplied concentrations.  
**Precautionary statements:** Wear protective gloves, clothing, and eye/face protection. As part of good industrial and personal hygiene and safety procedure, avoid all unnecessary exposure to these products and ensure prompt removal from skin, eye, and clothing.

### Section 3: Information on Ingredients

**Components:** Ferrous Chloride Standard (C152-90UL)  
FRAP Reagent A (C148-1.4ML)  
FRAP Reagent B (C149-1.4ML)  
Ascorbic Acid Control (C150-1EA)  
Assay Buffer Concentrate (X121-25ML)

Additional components of this kit are non-hazardous or the specific chemical identity and/or exact percentage (concentration) of composition have been withheld as a trade secret.

### Section 4: First-Aid Measures

**Inhalation** If inhaled, remove to fresh air.  
**Skin Contact** Wash thoroughly with soap and water.  
**Eye Contact** Rinse eyes with water as a precaution.  
**Ingestion** If swallowed, wash out mouth with water if person is conscious.

**Section 5: Fire-Fighting Measures**

Extinguishing Media	Suitable: Water spray. Carbon Dioxide, dry chemical powder.
Firefighting	Protective Equipment: Wear self-contained breathing apparatus and protective clothing if necessary.

**Section 6: Accidental Release Measures**

Cleanup Procedures	Wear appropriate protective clothing. Wipe up spill, place in suitable, closed container for appropriate disposal. Wash area of spill with soap and water.
Waste Disposal	Dispose of in accordance with federal, state, and local regulations.

**Section 7: Handling and Storage**

Handling	Avoid getting product on you or in you. Always wear appropriate protective clothing. Always wash hands and other exposed areas thoroughly after using product. Do not eat or drink while using product. Qualified and experienced professionals only should handle product.
Storage	Store according to the package insert instructions.

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

Engineering Controls	No special engineering controls are required when working with this kit. Use adequate ventilation.
Protective Equipment	Safety glasses are recommended to prevent eye contact. Chemical resistant gloves and a lab coat should be worn to prevent skin contact.

**Section 9: Physical and Chemical Properties**

<u>Characteristics</u>	N/A
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**Section 10: Stability and Reactivity**

Stability	This material is stable until the expiration date on the bottle if stored as directed on product specific information.
Incompatibilities	Unknown. Handle with care.

**Section 11: Toxicological Information**Route of Exposure

Skin Contact	May cause skin irritation.
Skin Absorption	May be harmful if absorbed through the skin.
Eye Contact	May cause eye irritation.
Inhalation	May be harmful if inhaled. May be irritating to respiratory tract.
Ingestion	May be harmful if swallowed.

<u>Symptoms of Exposure</u>	To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.
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**Section 12: Ecological Information**

No data is available.

**Section 13: Disposal Considerations**

Dispose of waste materials, unused components and contaminated packaging in compliance with country, state, district and local regulations. If unsure of the applicable requirements, contact the authorities for information.

**Section 14: Transport Information**U.S. and Canadian Transportation; DOT

Proper Shipping Name	Chemical Kits
UN Identification Number	N/A
Class and Description	N/A
Packing Group	N/A
Hazard Label	Not Hazardous

International Air Transportation (IATA)

Proper Shipping Name	Chemical Kits
UN Identification Number	N/A
Class and Description	N/A
Packing Group	N/A
Hazard Label	Not Hazardous

**Section 15: Regulatory Information**Product related information

The product is not subject to classification according to the sources of literature known to us.

Observe general safety regulations when handling chemicals.

Safety Statements

Avoid release to the environment.

Risk Statements

Harmful if swallowed.

U.S. Regulatory Information

SARA Listed: No materials contained in this product are at or above threshold levels subject to SARA 302 reporting and SARA 313.

**Section 16: Other Information**

**Disclaimer:** For Research Use Only. Not for diagnostic, therapeutic, or other uses.

**Further Information:** The information contained in this document is accurate to the best of our knowledge and is provided in good faith. This document is intended only as a guide to the appropriate precautionary handling of the materials contained in this kit by properly trained personnel using this kit. Final determination or suitability of any materials is the sole responsibility of the user. Arbor Assays shall not be held liable for any damage resulting from use or handling of this product.