



ARBOR
ASSAYS

Safety Data Sheet

Revision Date: 28 February 2025

Product Name: DetectX® Superoxide Dismutase Colorimetric Activity Kit

Section 1: Identification

Product Name:	DetectX® Superoxide Dismutase Colorimetric Activity Kit		
Also known as:	Catalog Number K028-H1 or SOD Activity Kit		
Manufacturer	Arbor Assays		
/ Supplier	1143 Highland Dr, Ste A	Telephone	734-677-1774 (U.S.)
	Ann Arbor, MI 48108-5001		
	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:	SOD Standard (C098-50UL)
	Assay Buffer (X100-50ML)
	Xanthine Oxidase Buffer (X102-6ML)
	Xanthine Oxidase Concentrate (C099-225UL)
	Substrate Diluent (X101-12ML)
	Detection Substrate Concentrate (C100-1.1ML)

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 InformationRoute 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.

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 InformationU.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 InformationProduct 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.