

SAFETY DATA SHEET

according to 29CFR1910.1200 (OSHA HCS)

Preparation/Revision Date: 2025-04-16

Revision: 001

SECTION 1 – IDENTIFICATION

Supplier:

Aalto Scientific, Ltd.
230 Technology Parkway
Eatonton, GA 31024
U.S.

Product name: Linearity FD General Chemistry Panel 4 for Abbott Systems

Product code: K943M-5

Pure substance/preparation: Preparation

Intended Use: For In Vitro Diagnostic use only.

Customer service telephone: (760) 431-7922

Email: ehs@aaltoscientific.com

Emergency telephone number: 1-800-748-6674

SECTION 2 - HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Reproductive toxicity (Category 1B)
Acute toxicity, Oral (Category 4), H302
Acute toxicity, Inhalation (Category 4), H332
Acute toxicity, Dermal (Category 4), H312
Specific target organ toxicity - repeated exposure (Oral) Category 2 (Brain), H373

Once diluted, as it is intended to be used, this product does not meet the criteria for classification in

accordance with 29CFR1910.1200 (OSHA HCS).

For the full text of the H-statements mentioned in this section, see section 16

2.2 GHS label elements, including precautionary statements

Hazard pictograms



Signal word(s)

Danger

Hazard statement(s)

May damage fertility or the unborn child.
Harmful if swallowed. Harmful in contact with skin. Harmful if inhaled.
May cause damage to organs (Brain) through prolonged or repeated exposure if swallowed.

Precautionary statement(s)

Prevention:

Wash skin thoroughly after handling.
Do not eat, drink or smoke when using this product.
Use only in a well-ventilated area.
Wear protective gloves/protective clothing/eye protection/face protection.
Do not breathe dust/fume/gas/mist/vapours/spray.
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Wear protective gloves/protective clothing/eye protection/face protection.

Response:

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
IF ON SKIN: Wash with plenty of water.
Call a POISON CENTER or doctor/physician if you feel unwell.
Take off contaminated clothing and wash it before reuse.
Get medical advice/attention if you feel unwell.
IF exposed or concerned: Get medical advice/attention.

Storage:

Store locked up.

Disposal:

Dispose of contents/container to an approved waste disposal plant in accordance with local/regional/national regulations. If drain disposal is chosen, flush with a large volume of water to prevent azide build-up.

2.3 Other hazard information:

Some components of this kit contain human and/or animal blood derivatives. No known test method can offer complete assurance that products derived from human and/or animal blood will not transmit infectious agents. Therefore, all blood derivatives should be considered potentially infectious. Contains anti-microbial materials that could be toxic in large doses.

Carcinogenicity rating

IARC: Not classified.

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Component(s)	CAS Number	Classification	Concentration
Kanamycin sulfate	70560-51-9	Repr. 1B; H360	0.04 – 0.4%
Sodium azide	26628-22-8	Acute toxicity, Oral (Category 2) Acute toxicity, Inhalation (Category 2) Acute toxicity, Dermal (Category 1) Specific target organ toxicity - repeated exposure (Oral) Category 2 (Brain)	0.1% - 1.9%

SECTION 4 – FIRST-AID MEASURES
4.1 Description of first aid measures
General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact

Flush eyes with water as a precaution

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in section 2.

4.3 Indication of any immediate medical attention and special treatment needed

No data available

SECTION 5 – FIRE-FIGHTING MEASURES

Suitable extinguishing media:	Use any extinguishing media which is suitable for the surrounding fire.
Extinguishing media which must not be used for safety reasons:	None.
Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases:	None reasonably foreseeable.
Combustion products or resulting gases:	None.
Special protective equipment for firefighters:	Wear self-contained breathing apparatus and protective suit.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal precautions:	Wear suitable gloves and eye/face protection.
Environmental precautions:	Waste disposal must be in accordance with appropriate US, Federal, State and International regulations.
Methods for cleaning up:	Wipe up with absorbent material (e.g. cloth, fleece). Clean with disinfectants. Clean contaminated surface thoroughly.

SECTION 7 – HANDLING AND STORAGE

Handling:

Technical measures/precautions:	Wear protective safety glasses, gloves and clothing.
Safe handling advice:	Always replace cap after use. Wear disposable gloves while handling reagents. Thoroughly wash hands afterwards.

Storage:

Technical measures/storage conditions: Store opened and unopened containers in accordance with COA or package insert.

Incompatible products: Keep away from sources of ignition.

Specific use(s): In vitro diagnostic use only.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits - Ingredients/constituents listed in Section 3

Component	Value type (Form of exposure)	Control parameters	Basis
Sodium azide CAS-No.: 26628-22-8	C	0.29 mg/m ³ (sodium azide)	ACGIH
	C (Vapor)	0.11 ppm (Hydrazoic acid)	ACGIH
	C	0.1 ppm (HN ₃)	NIOSH Recommended Exposure Limits
	C	0.3 mg/m ³ (Sodium azide)	NIOSH Recommended Exposure Limits

Exposure controls / personal protection

Engineering controls: Ensure adequate ventilation.

Respiratory protection: None required.

Hand protection: Wear disposable gloves while handling. Thoroughly wash hands afterwards.

Eye protection: Wear eye/face protection

Skin and body protection: Wear suitable protective clothing. Wear suitable gloves and eye/face protection.

Environmental exposure controls: No information available.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Solid.	Vapor Pressure:	No information available.
Appearance:	No information available.	Specific gravity:	No information available.
Color:	No information available.	Density (20/4):	No information available.
Odor:	No information available.	Water solubility:	No information available.
Flash Point:	No information available.	Solubility in other solvents:	No information available.
pH:	Neutral.	Partition coefficient:	No information available.
Flammability (solid, gas):	No information available.	Viscosity:	No information available.
Explosive properties:	No information available.	Vapor density:	No information available.
Oxidizing properties:	No information available.	Evaporation rate:	No information available.
Autoignition temperature:	No information available.	Fat solubility (g/l)	No information available.
Miscibility:	No information available.	Gas group:	No information available.
Volume resistivity:	No information available.		

SECTION 10 – STABILITY AND REACTIVITY

Chemical stability:	Stable under recommended storage conditions.
Materials to avoid:	No information available.
Conditions to avoid:	Keep away from heat and sources of ignition.
Hazardous polymerisation:	No information available.
Possibility of hazardous reactions:	No information available.
Hazardous incompatibilities/decomposition products:	No information available.

SECTION 11 – TOXICOLOGICAL INFORMATION

Primary routes of exposure:	The most likely routes of exposure are skin and eye contact and inhalation. Material may be absorbed through the skin.
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11.1 Information on toxicological effects

Kanamycin sulfate (CAS No. 70560-51-9)

Acute toxicity:	Oral: No data available Inhalation: No data available Dermal: No data available No data available
Skin corrosion/irritation:	No data available.
Serious eye damage/irritation:	No data available.
Respiratory or skin sensitization:	No data available.
Germ cell mutagenicity:	No data available.
Carcinogenicity:	IARC: NTP: No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. OSHA: No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.
Reproductive toxicity:	No data available.
STOT-single exposure:	No data available.
STOT-repeated exposure:	No data available.
Aspiration hazard:	No data available.
Additional information on other hazards:	
Aminoglycosides are associated with significant nephrotoxicity and/or ototoxicity. Stomach - Irregularities - Based on Human Evidence	

Sodium azide (CAS No. 26628-22-8)

Acute toxicity

LD50 Oral - Rat - 27 mg/kg

Remarks: (RTECS) LC50 Inhalation - Rat - male and female - 4 h - 0.054 - 0.52 mg/l – dust/mist

(US-EPA)

LD50 Dermal - Rabbit - 20 mg/kg

Remarks: (RTECS)

No data available

Skin corrosion/irritation

Skin - In vitro study

Result: No skin irritation
(OECD Test Guideline 439)

Serious eye damage/eye irritation

Eyes - Bovine cornea
Result: No eye irritation - 4 h
(OECD Test Guideline 437)

Respiratory or skin sensitization

Local lymph node assay (LLNA) - Mouse
Result: negative
(OECD Test Guideline 429)

Germ cell mutagenicity

Test Type: Mutagenicity (mammal cell test): chromosome aberration.
Test system: Chinese hamster ovary cells
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 473
Result: negative Test Type: unscheduled DNA synthesis assay
Test system: Chinese hamster lung cells
Metabolic activation: without metabolic activation
Method: OECD Test Guideline 482
Result: negative
Test Type: sister chromatid exchange assay
Test system: Chinese hamster ovary cells
Metabolic activation: without metabolic activation
Method: OECD Test Guideline 479
Result: negative

Carcinogenicity

IARC: No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
NTP: No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA: No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

Reproductive toxicity

No data available

Specific target organ toxicity - single exposure

No data available

Specific target organ toxicity - repeated exposure

Oral - May cause damage to organs through prolonged or repeated exposure. - Brain

Aspiration hazard

No data available

Additional Information on other hazards:

RTECS: VY8050000

Nausea, Headache, Vomiting, Laboratory experiments in animals have shown sodium azide to produce a profound hypotensive effect, demyelination of myelinated nerve fibers in the central nervous system, testicular damage, blindness, attacks of rigidity, and hepatic and cerebral effects., To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

SECTION 12 – ECOLOGICAL INFORMATION

No additional information provided.

SECTION 13– DISPOSAL CONSIDERATIONS**Waste from residues/unused products:**

Waste disposal must be in accordance with appropriate US, Federal, State and International regulations.

Contaminated packaging:

Waste disposal must be in accordance with appropriate US, Federal, State and International regulations.

SECTION 14 – TRANSPORT INFORMATION

No additional information provided.

SECTION 15– REGULATORY INFORMATION

No additional information provided.

SECTION 16 – OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION**Date of preparation of SDS or last change to it:**

See Page 1 for the preparation/revision date.

Restrictions on use:

This product is not for human consumption. In vitro diagnostic use

only.

Additional advice: None.

Full text of H-Statements referred to under sections 2 and 3

Repr. 1B	Reproductive toxicity Category 1B
H360	May damage fertility or the unborn child.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H332	Harmful if inhaled.
H373	May cause damage to organs through prolonged or repeated exposure.

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End of Safety Data Sheet