



MATERIAL SAFETY DATA SHEET

MSDS DATE: 04 / 19 / 07

SECTION 1 - PRODUCT IDENTIFICATION/MANUFACTURER

Trade name and synonym:	Histamine EIA kit
Catalog number	A05890
CAS number	NA
Manufacturer: SPI-BIO Parc d'Activités Pas du Lac 10 bis, avenue Ampère F-78180 Montigny-le-Bretonneux, France	Telephone Number: 33 (1) 39 30 62 60 Facsimile Number: 33 (1) 39 30 62 99 E-Mail: sales@spibio.com

SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS

Name of reagents	Ingredients	CAS #	Concentration
AChE-tracer	Sodium azide	26628-22-8	0.01%
EIA Buffer	Sodium azide	26628-22-8	0.01%
Histamine Standard	Sodium azide	26628-22-8	0.01%
Histamine Quality Controls	Sodium azide	26628-22-8	0.01%
Derivatization reagent	Derivatization reagent	NA	5%

SECTION 3 – HAZARDS IDENTIFICATION

Special indication of hazards to humans and the environment:
Harmful by inhalation, ingestion, and skin absorption.
Irritating to eyes, respiratory system and skin.

SECTION 4 – FIRST AID MEASURES

If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.
In case of skin contact, immediately wash skin with soap and copious amounts of water.
In case of contact with eyes, immediately flush eyes with copious amounts of water for at least 15 minutes.
If swallowed, wash out mouth with water provided person is conscious. Call a physician.

SECTION 5 – FIRE FIGHTING MEASURES

Extinguish media:
Suitable: water spray, carbon dioxide, dry chemical powder, or appropriate foam.
Special risks:
Specific hazard(s): emits toxic fumes under fire conditions.
Special protective equipment for fire-fighters: Wear- self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Procedure(s) of personal precaution(s):
Wear suitable laboratory protective equipment lab coats, gloves and safety glasses.
Methods for cleaning up:
Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

SECTION 7 – HANDLING AND STORAGE

Storage:
Conditions of storage: Store at -20 °C.
Handling:
Directions for safe handling: Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.
Wear suitable protective clothing including laboratory overalls, safety glasses and gloves. Do not get in eyes, on skin, or on clothing. Do not breathe the vapour. Wash thoroughly after handling.



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SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls:
Mechanical exhaust required.
General hygiene measures:
Wash thoroughly after handling.
Personal protective equipment:
Respiratory protection: none
Hand protection: Compatible chemical-resistant gloves.
Eye protection: chemical safety goggles.
Body protection: protective clothing

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Lyophilized powder except the standard, quality control, derivatization buffer, tween, concentrated wash buffer, liquid.
Colour: colourless
Smell (odour): Odourless
pH value (at 25°C): 6.8 - 7.4
Melting point (°C): 132 –133 °C (Derivatization reagent)
Boiling point (°C): No data.
Flash point (°C): No data.
Inflammability: No data.
Vapour tension (°C): No data.
Solubility in water: soluble (sodium azide)
Partition coefficient a-octanol/water: No data.

SECTION 10 – STABILITY AND REACTIVITY

Stability: Stable.
Conditions to be avoided: heat.
Materials to avoid: acids. Contact with acids liberates very toxic gas.
Hazardous decomposition products: Unknown

SECTION 11 – TOXICOLOGICAL INFORMATION

The product contains sodium azide in total concentration of 0.01%.
Acute toxicity:
LD50 oral rat (mg/kg): 27.
LD50 skin rabbit (mg/kg): 20.
Gingivostomatitis LD50 : unknown.
LD50 inhalation: unknown
The toxicological properties have been not fully evaluated.
Sodium azide and derivatization reagent are toxic if swallowed, inhaled, or absorbed through skin. May cause eye and skin irritation.

SECTION 12 – ECOLOGICAL INFORMATION

Avoid release to the environment
Runoff from fire control or dilution water may cause pollution.

SECTION 13 – DISPOSAL CONSIDERATION

Substance disposal:
Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.



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SECTION 14 – TRANSPORT INFORMATION

RID/ADR:

Non-hazardous for road transport.

IMDG:

Non-hazardous for sea transport.

IATA:

Non-hazardous for air transport.

SECTION 15 – REGULATORY INFORMATION

For derivatization reagent:

- Indication of danger: Xi - Irritant
- R-phases: 36/37/38: Irritating to eyes, respiratory system and skin
- S-Phases: 26-36: in case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing.

SECTION 16 – OTHER INFORMATION

Warranty:

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

Use of product: For R&D use only. Not for drug, household or other uses.