

• SAFETY DATA SHEET

Version 8.10
Revision Date 03/11/2026
Print Date 03/12/2026

SECTION 1. IDENTIFICATION

1.1 Product identifiers

Product name : Phosphorylated Neurofilament H ELISA Kit
Product Number : NS170
Catalogue No. : 638916
Brand : Millipore

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Biochemical research/analysis

1.3 Details of the supplier of the safety data sheet

Company : Sigma-Aldrich Inc.
3050 SPRUCE ST
ST. LOUIS MO 63103
UNITED STATES

Telephone : +1 314 771-5765
Fax : +1 800 325-5052

1.4 Emergency telephone number

Emergency Phone # : 800-424-9300 CHEMTREC (USA) +1-703-
527-3887 CHEMTREC (International) 24
Hours/day; 7 Days/week

This is a summary SDS for a kit. For the full SDS for each of the components listed in section 16 please visit our website.

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SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Hazards for the product as supplied

Skin irritation : Category 2
Serious eye damage : Category 1
Reproductive toxicity : Category 2

Specific target organ toxicity - repeated exposure : Category 2

Specific target organ toxicity - repeated exposure (Oral) : Category 2 (Kidney, Liver, Blood)

Other hazards

None known.

GHS label elements

Hazard pictograms :



Signal word : Danger

Hazard statements : H315 Causes skin irritation.
H318 Causes serious eye damage.
H361 Suspected of damaging fertility or the unborn child.
H373 May cause damage to organs through prolonged or repeated exposure.
H373 May cause damage to organs (Kidney, Liver, Blood) through prolonged or repeated exposure if swallowed.

Supplemental Hazard Statements : Corrosive to the respiratory tract.

Precautionary statements : **Prevention:**
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P260 Do not breathe mist or vapours.
P264 Wash skin thoroughly after handling.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
Response:
P302 + P352 IF ON SKIN: Wash with plenty of water.
P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.
P308 + P313 IF exposed or concerned: Get medical advice/ attention.
P332 + P313 If skin irritation occurs: Get medical advice/ attention.

Storage:

P405 Store locked up.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Refer to component SDS

SECTION 4. FIRST AID MEASURES

Refer to component SDS

SECTION 5. FIREFIGHTING MEASURES

Refer to component SDS

SECTION 6. ACCIDENTAL RELEASE MEASURES

Refer to component SDS

SECTION 7. HANDLING AND STORAGE

For precautions see section 2.2.

Advice on safe handling : Work under hood. Do not inhale substance/mixture.
Avoid generation of vapours/aerosols.

Further information on storage conditions : Tightly closed.

Storage class : 10, Combustible liquids

Recommended storage temperature : Recommended storage temperature see product label.

Further information on storage stability : Recommended storage temperature see product label.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Refer to component SDS

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Refer to component SDS

SECTION 10. STABILITY AND REACTIVITY

Refer to component SDS

SECTION 11. TOXICOLOGICAL INFORMATION

Refer to component SDS

SECTION 12. ECOLOGICAL INFORMATION

Refer to component SDS

SECTION 13. DISPOSAL CONSIDERATIONS

Refer to component SDS

SECTION 14. TRANSPORT INFORMATION**International Regulations****IATA-DGR**

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

Transport in bulk according to IMO instruments

Not applicable for product as supplied.

National Regulations**49 CFR Road**

Not regulated as a dangerous good

Poison Inhalation Hazard : No

Special precautions for user

Remarks : Not classified as dangerous in the meaning of transport regulations.

SECTION 15. REGULATORY INFORMATION

SECTION 16. OTHER INFORMATION**Kit Components:**

Anti pNF-H Coated Plate	Millipore	6C1906
Gt X Rb Alk Phos	2006917	
Rb X pNF-H	2006919	
20X TBS	2004913	

Millipore - NS170

Page 4 of 11

20% Tween 20®	2004915	
pNPP Buffer	2006261	
pNPP	2006262	
Bovine pNF-H Standard, 5ng	Millipore	2006918
Elisa Assay Diluent	Millipore	2006921

Full text of other abbreviations

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonised System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organisation; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardisation; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organisation for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

The information is believed to be correct but is not exhaustive and will be used solely as a guideline, which is based on current knowledge of the chemical substance or mixture and is applicable to appropriate safety precautions for the product. It does not represent any guarantee of the properties of the product. Sigma-Aldrich Corporation and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See www.sigma-aldrich.com and/or the reverse side of invoice or packing slip for additional terms and conditions of sale.

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Revision Date : 03/11/2026

The branding on the header and/or footer of this document may temporarily not visually match the product purchased as we transition our branding. However, all of the information in the document regarding the product remains unchanged and matches the product ordered. For further information please contact mlsbranding@sial.com.

US / EN

Kit Components:

Anti pNF-H Coated Plate					
Product identifier	Pictogram	Signal word	Hazard statements	Precautionary statements	Supplemental information
Millipore - 6C1906					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

Gt X Rb Alk Phos					
Product identifier	Pictogram	Signal word	Hazard statements	Precautionary statements	Supplemental information
2006917 -					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

Rb X pNF-H					
Product identifier	Pictogram	Signal word	Hazard statements	Precautionary statements	Supplemental information
2006919 -					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

20X TBS					
Product identifier	Pictogram	Signal word	Hazard statements	Precautionary statements	Supplemental information
2004913 -					No hazard pictogram, no signal word, no hazard

Millipore - NS170


Page 7 of 11

					statement(s), no precautionary statement(s) required.
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20% Tween 20®

Product identifier	Pictogram	Signal word	Hazard statements	Precautionary statements	Supplemental information
2004915 -					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

pNPP Buffer

Product identifier	Pictogram	Signal word	Hazard statements	Precautionary statements	Supplemental information
2006261 -		Danger	<p>Causes skin irritation.</p> <p>Causes serious eye damage.</p> <p>Suspected of damaging fertility or the unborn child.</p> <p>May cause damage to organs through prolonged or repeated exposure.</p> <p>May cause damage to organs (Kidney, Liver, Blood) through prolonged or repeated exposure if swallowed.</p> <p>Harmful to aquatic life.</p>	<p>Obtain special instructions before use. IF ON SKIN: Wash with plenty of water. Store locked up. Dispose of contents/ container to an approved waste disposal plant. Do not handle until all safety precautions have been read and understood. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor. Do not breathe</p>	

				<p>mist or vapours. IF exposed or concerned: Get medical advice/ attention. Wash skin thoroughly after handling. If skin irritation occurs: Get medical advice/ attention. Avoid release to the environment. Wear protective gloves/ protective clothing/ eye protection/ face protection.</p>	
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pNPP					
Product identifier	Pictogram	Signal word	Hazard statements	Precautionary statements	Supplemental information
2006262 -		Danger	<p>Causes skin irritation. Causes serious eye damage. Suspected of damaging fertility or the unborn child. May cause damage to organs (Kidney, Liver, Blood) through prolonged or repeated exposure if swallowed. Harmful to aquatic life.</p>	<p>Obtain special instructions before use. IF ON SKIN: Wash with plenty of water. Store locked up. Dispose of contents/ container to an approved waste disposal plant. Do not handle until all safety precautions have been read and understood. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p>	

				<p>Immediately call a POISON CENTER/ doctor. Do not breathe mist or vapours. IF exposed or concerned: Get medical advice/ attention. Wash skin thoroughly after handling. If skin irritation occurs: Get medical advice/ attention. Avoid release to the environment. Wear protective gloves/ protective clothing/ eye protection/ face protection.</p>	
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Bovine pNF-H Standard, 5ng

Product identifier	Pictogram	Signal word	Hazard statements	Precautionary statements	Supplemental information
Millipore - 2006918					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

Elisa Assay Diluent

Product identifier	Pictogram	Signal word	Hazard statements	Precautionary statements	Supplemental information
Millipore - 2006921					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

