

## SAFETY DATA SHEET

Version 8.2  
Revision Date 09/30/2020  
Print Date 01/28/2022**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifiers**

Product name : Brain Natriuretic Peptide EIA Kit

Product Number : RAB0386  
Brand : Sigma

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

Identified uses : Laboratory chemicals, Synthesis of substances

**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**

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

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

**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture****GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)**

Corrosive to Metals (Category 1), H290  
Skin irritation (Category 2), H315  
Eye irritation (Category 2A), H319

For the full text of the H-Statements mentioned in this Section, see Section 16.

**2.2 GHS Label elements, including precautionary statements**

Pictogram



Signal word

Warning

Hazard statement(s)	
H290	May be corrosive to metals.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
Precautionary statement(s)	
P234	Keep only in original container.
P264	Wash skin thoroughly after handling.
P280	Wear protective gloves/ eye protection/ face protection.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332 + P313	If skin irritation occurs: Get medical advice/ attention.
P337 + P313	If eye irritation persists: Get medical advice/ attention.
P362	Take off contaminated clothing and wash before reuse.
P390	Absorb spillage to prevent material damage.
P406	Store in corrosive resistant container with a resistant inner liner.

### 2.3 Hazards not otherwise classified (HNOC) or not covered by GHS - none

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#### SECTION 3: Composition/information on ingredients

Refer to component MSDS

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#### SECTION 4: First aid measures

Refer to component MSDS

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#### SECTION 5: Firefighting measures

Refer to component MSDS

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#### SECTION 6: Accidental release measures

Refer to component MSDS

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#### SECTION 7: Handling and storage

##### 7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapor or mist.  
For precautions see section 2.2.

##### 7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Keep container tightly closed in a dry and well-ventilated place.

Recommended storage temperature -20 °C

Storage class (TRGS 510): 8B: Non-combustible, corrosive hazardous materials

### 7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

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## SECTION 8: Exposure controls/personal protection

Refer to component MSDS

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## SECTION 9: Physical and chemical properties

Refer to component MSDS

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## SECTION 10: Stability and reactivity

Refer to component MSDS

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## SECTION 11: Toxicological information

Refer to component MSDS

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## SECTION 12: Ecological information

Refer to component MSDS

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## SECTION 13: Disposal considerations

Refer to component MSDS

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## SECTION 14: Transport information

### DOT (US)

UN number: 3264 Class: 8 Packing group: III  
Proper shipping name: Corrosive liquid, acidic, inorganic, n.o.s. (sulphuric acid)  
Reportable Quantity (RQ):  
Poison Inhalation Hazard: No

### IMDG

UN number: 3264 Class: 8 Packing group: III EMS-No: F-A, S-B  
Proper shipping name: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (sulphuric acid)

### IATA

UN number: 3264 Class: 8 Packing group: III  
Proper shipping name: Corrosive liquid, acidic, inorganic, n.o.s. (sulphuric acid)

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**SECTION 15: Regulatory information****SARA 302 Components**

The following components are subject to reporting levels established by SARA Title III, Section 302:

CAS-No.	Revision Date
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**SARA 313 Components**

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**SARA 311/312 Hazards**

Acute Health Hazard, Chronic Health Hazard

**Massachusetts Right To Know Components**

CAS-No.	Revision Date
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**Pennsylvania Right To Know Components**

CAS-No.	Revision Date
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**New Jersey Right To Know Components**

CAS-No.	Revision Date
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**California Prop. 65 Components**

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

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**SECTION 16: Other information**

**Kit Components:**

20X Wash Buffer (Item B)	Sigma	RABWASH3
EIA Brain Natriuretic Peptide standard (Item C)	Sigma	RAB0386C
EIA 5X Assay Diluent B (Item E)	Sigma	RABDIL10

Anti-Brain Natriuretic Peptide Detection Antibody (Item N)	Sigma	RAB0386F	
Biotinylated Brain Natriuretic Peptide (Item F)	Sigma	RAB0386G	
HRP-STREPTAVIDIN	Sigma	RABHRP3	
TMB Substrate solution (Item H)	Sigma	RABTMB2	
Stop Solution (Item I)	Sigma	RABSTOP2	Met. Corr. 1; Skin Irrit. 2; Eye Irrit. 2A; H290, H315, H319
Brain Natriuretic Peptide Positive Control Sample, Lyophilized (Item M)	Sigma	RAB0386K	

**Further information**

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**Kit Components:**

<b>20X Wash Buffer (Item B)</b>					
Product identifier	Pictogram	Signal word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - RABWASH3					Not a hazardous substance or mixture.

<b>EIA Brain Natriuretic Peptide standard (Item C)</b>					
Product identifier	Pictogram	Signal word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - RAB0386C					Not a hazardous substance or mixture.


<b>EIA 5X Assay Diluent B (Item E)</b>					
Product identifier	Pictogram	Signal word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - RABDIL10					Not a hazardous substance or mixture.

<b>Anti-Brain Natriuretic Peptide Detection Antibody (Item N)</b>					
Product identifier	Pictogram	Signal word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - RAB0386F					Not a hazardous substance or mixture.

<b>Biotinylated Brain Natriuretic Peptide (Item F)</b>					
Product identifier	Pictogram	Signal word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - RAB0386G					Not a hazardous substance or mixture.

<b>HRP-STREPTAVIDIN</b>					
Product identifier	Pictogram	Signal word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - RABHRP3					Not a hazardous substance or mixture.

<b>TMB Substrate solution (Item H)</b>					
Product identifier	Pictogram	Signal word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - RABTMB2					Not a hazardous substance or mixture.

<b>Stop Solution (Item I)</b>					
Product identifier	Pictogram	Signal word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - RABSTOP2		Warning	May be corrosive to metals. Causes skin irritation. Causes serious eye irritation.	Keep only in original container. IF ON SKIN: Wash with plenty of soap and water. Store in corrosive resistant container with a resistant inner liner. Wash skin thoroughly after handling. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Wear protective gloves/ eye protection/ face protection. If skin irritation occurs: Get medical advice/ attention. If eye irritation persists: Get medical advice/ attention. Take off contaminated clothing and wash before reuse. Absorb spillage to prevent material damage.	



<b>Brain Natriuretic Peptide Positive Control Sample, Lyophilized (Item M)</b>					
Product identifier	Pictogram	Signal word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - RAB0386K					Not a hazardous substance or mixture.