

# Hazard Overview

Version 8.9  
Revision Date 08/11/2026  
Print Date 08/12/2026

## SECTION 1. IDENTIFICATION

### 1.1 Product identifiers

Product name : Human FSH ELISA Kit

Product Number : RAB0660

Brand : Sigma

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

Identified uses : Laboratory chemicals, Synthesis of substances

Restrictions on use : The product is being supplied under the TSCA R&D Exemption (40 CFR Section 720.36). It is the recipient's responsibility to comply with the requirements of the R&D exemption. The product may not be used for a non-exempt commercial purpose under TSCA unless appropriate consent is granted in writing by MilliporeSigma.

### 1.3 Details of the supplier of the safety data sheet

Company : Sigma-Aldrich Inc.  
SPRUCE ST 3050  
63103 St. Louis

Telephone : (314) 771-5765

Telefax: (800) 325-5052

### 1.4 Emergency telephone number

Emergency Phone # : 800 424 9300 (CHEMTREC) 24/7  
+1 703 527 3887 (CHEMTREC) 24/7

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

Corrosive to metals : Category 1

Carcinogenicity : Category 2

#### Other hazards

Human source material.

#### GHS label elements

Hazard pictograms :



Signal word : Warning

Hazard statements : H290 May be corrosive to metals.  
H351 Suspected of causing cancer.

Precautionary statements : **Prevention:**  
P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P234 Keep only in original packaging.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

#### **Response:**

P308 + P313 IF exposed or concerned: Get medical advice/ attention.  
P390 Absorb spillage to prevent material damage.

#### **Storage:**

P405 Store locked up.  
P406 Store in a corrosion resistant container with a resistant inner liner.

#### **Disposal:**

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

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## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Please refer to component Safety Data Sheet and/or to Section 16 Kit components

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## **SECTION 4. FIRST AID MEASURES**

Refer to component SDS

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## **SECTION 5. FIREFIGHTING MEASURES**

Refer to component SDS

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## **SECTION 6. ACCIDENTAL RELEASE MEASURES**

Refer to component SDS

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## **SECTION 7. HANDLING AND STORAGE**

For precautions see section 2 GHS label elements

Conditions for safe storage : No metal containers.

Further information on storage conditions : Tightly closed.

Storage class : 10, Combustible liquids

Recommended storage temperature : -4 °F / -20 °C

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## **SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Refer to component SDS

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## **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Refer to component SDS

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## **SECTION 10. STABILITY AND REACTIVITY**

Refer to component SDS

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## **SECTION 11. TOXICOLOGICAL INFORMATION**

Refer to component SDS

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## **SECTION 12. ECOLOGICAL INFORMATION**

Refer to component SDS

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## SECTION 13. DISPOSAL CONSIDERATIONS

Refer to component SDS

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## SECTION 14. TRANSPORT INFORMATION

### International Regulations

#### IATA-DGR

UN/ID No. : UN 3264  
Proper shipping name : Corrosive liquid, acidic, inorganic, n.o.s.  
(sulphuric acid)  
Class : 8  
Packing group : III  
Labels : Class 8 - Corrosive substances  
Packing instruction (cargo aircraft) : 856  
Packing instruction (passenger aircraft) : 852

#### IMDG-Code

UN number : UN 3264  
Proper shipping name : CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.  
(sulphuric acid)  
Class : 8  
Packing group : III  
Labels : 8  
EmS Code : F-A, S-B  
Marine pollutant : no

### Transport in bulk according to IMO instruments

Not applicable for product as supplied.

### National Regulations

#### 49 CFR

UN/ID/NA number : UN 3264  
Proper shipping name : Corrosive liquid, acidic, inorganic, n.o.s.  
(sulphuric acid)  
Class : 8  
  
Packing group : III  
Labels : Class 8 - Corrosive substances  
ERG Code : 154  
Marine pollutant : no  
Poison Inhalation Hazard : No

### Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

## SECTION 15. REGULATORY INFORMATION

### CERCLA Reportable Quantity

| Components                   | CAS-No.   | Component RQ (lbs) | Calculated product RQ (lbs) |
|------------------------------|-----------|--------------------|-----------------------------|
| ELISA Stop Solution (Item I) | 7664-93-9 |                    | 50000                       |

### SARA 304 Extremely Hazardous Substances Reportable Quantity

| Components                   | CAS-No.   | Component RQ (lbs) | Calculated product RQ (lbs) |
|------------------------------|-----------|--------------------|-----------------------------|
| ELISA Stop Solution (Item I) | 7664-93-9 |                    | 50000                       |

### SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

| Components                                             | CAS-No.      | Component TPQ (lbs) |
|--------------------------------------------------------|--------------|---------------------|
| Human FSH Protein Standard, Lyophilized (Item C)       | Not Assigned |                     |
| 20X Wash Buffer (Item B)                               | Not Assigned |                     |
| HRP-Streptavidin (Item G)                              | Not Assigned |                     |
| ELISA Colorimetric TMB Reagent (HRP Substrate, Item H) | Not Assigned |                     |
| ELISA Stop Solution (Item I)                           | 7664-93-9    |                     |

**SARA 311/312 Hazards** : Acute Health Hazard  
Chronic Health Hazard

**SARA 313** : 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.

### Clean Air Act

Warning: Manufactured with ELISA Stop Solution (Item I), a substance which harms public health and environment by destroying ozone in the upper atmosphere.

40 CFR Protection of : 7664-93-9  
Environment; Part 82  
Protection of  
Stratospheric Ozone -  
CAA Section 602 Class I  
Substances  
Ozone-Depletion Potential

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

The following chemical(s) are listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F):

ELISA Stop Solution 7664-93-9 >= 90 - <= 100 %  
(Item I)

The following chemical(s) are listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489):

|                                 |           |                  |
|---------------------------------|-----------|------------------|
| ELISA Stop Solution<br>(Item I) | 7664-93-9 | >= 90 - <= 100 % |
|---------------------------------|-----------|------------------|

### Clean Water Act

The following Hazardous Substances are listed under the U.S. Clean Water Act, Section 311, Table 116.4A:

|                                 |           |                  |
|---------------------------------|-----------|------------------|
| ELISA Stop Solution<br>(Item I) | 7664-93-9 | >= 90 - <= 100 % |
|---------------------------------|-----------|------------------|

The following Hazardous Chemicals are listed under the U.S. Clean Water Act, Section 311, Table 117.3:

|                                 |           |                  |
|---------------------------------|-----------|------------------|
| ELISA Stop Solution<br>(Item I) | 7664-93-9 | >= 90 - <= 100 % |
|---------------------------------|-----------|------------------|

This product contains the following toxic pollutants listed under the U.S. Clean Water Act Section 307

|                                 |           |                  |
|---------------------------------|-----------|------------------|
| ELISA Stop Solution<br>(Item I) | 7664-93-9 | >= 90 - <= 100 % |
|---------------------------------|-----------|------------------|

This product contains the following priority pollutants related to the U.S. Clean Water Act:

|                                 |           |                  |
|---------------------------------|-----------|------------------|
| ELISA Stop Solution<br>(Item I) | 7664-93-9 | >= 90 - <= 100 % |
|---------------------------------|-----------|------------------|

### US State Regulations

#### Massachusetts Right To Know

|                                                        |              |
|--------------------------------------------------------|--------------|
| 20X Wash Buffer (Item B)                               | Not Assigned |
| HRP-Streptavidin (Item G)                              | Not Assigned |
| ELISA Colorimetric TMB Reagent (HRP Substrate, Item H) | Not Assigned |
| ELISA Stop Solution (Item I)                           | 7664-93-9    |
| Human FSH Protein Standard, Lyophilized (Item C)       | Not Assigned |

#### Pennsylvania Right To Know

|                                                        |              |
|--------------------------------------------------------|--------------|
| 20X Wash Buffer (Item B)                               | Not Assigned |
| HRP-Streptavidin (Item G)                              | Not Assigned |
| ELISA Colorimetric TMB Reagent (HRP Substrate, Item H) | Not Assigned |
| ELISA Stop Solution (Item I)                           | 7664-93-9    |
| Human FSH Protein Standard, Lyophilized (Item C)       | Not Assigned |

#### Maine Chemicals of High Concern

|                                                        |              |
|--------------------------------------------------------|--------------|
| 20X Wash Buffer (Item B)                               | Not Assigned |
| HRP-Streptavidin (Item G)                              | Not Assigned |
| ELISA Colorimetric TMB Reagent (HRP Substrate, Item H) | Not Assigned |
| ELISA Stop Solution (Item I)                           | 7664-93-9    |
| Human FSH Protein Standard, Lyophilized (Item C)       | Not Assigned |

#### Vermont Chemicals of High Concern

|                                                        |              |
|--------------------------------------------------------|--------------|
| Human FSH Protein Standard, Lyophilized (Item C)       | Not Assigned |
| 20X Wash Buffer (Item B)                               | Not Assigned |
| HRP-Streptavidin (Item G)                              | Not Assigned |
| ELISA Colorimetric TMB Reagent (HRP Substrate, Item H) | Not Assigned |
| ELISA Stop Solution (Item I)                           | 7664-93-9    |

## Washington Chemicals of High Concern

|                                                        |              |
|--------------------------------------------------------|--------------|
| Human FSH Protein Standard, Lyophilized (Item C)       | Not Assigned |
| 20X Wash Buffer (Item B)                               | Not Assigned |
| HRP-Streptavidin (Item G)                              | Not Assigned |
| ELISA Colorimetric TMB Reagent (HRP Substrate, Item H) | Not Assigned |
| ELISA Stop Solution (Item I)                           | 7664-93-9    |

### The components of this product are reported in the following inventories:

US TSCA : All substances listed as active on the TSCA inventory

### TSCA list

The following substance(s) is/are subject to a Significant New Use Rule:

|                                                        |              |
|--------------------------------------------------------|--------------|
| Human FSH Protein Standard, Lyophilized (Item C)       | Not Assigned |
| 20X Wash Buffer (Item B)                               | Not Assigned |
| HRP-Streptavidin (Item G)                              | Not Assigned |
| ELISA Colorimetric TMB Reagent (HRP Substrate, Item H) | Not Assigned |
| ELISA Stop Solution (Item I)                           | 7664-93-9    |

The following substance(s) is/are subject to TSCA 12(b) export notification requirements:

|                                                        |              |
|--------------------------------------------------------|--------------|
| Human FSH Protein Standard, Lyophilized (Item C)       | Not Assigned |
| 20X Wash Buffer (Item B)                               | Not Assigned |
| HRP-Streptavidin (Item G)                              | Not Assigned |
| ELISA Colorimetric TMB Reagent (HRP Substrate, Item H) | Not Assigned |
| ELISA Stop Solution (Item I)                           | 7664-93-9    |

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## SECTION 16. OTHER INFORMATION

### Kit Components:

|                                                    |       |          |
|----------------------------------------------------|-------|----------|
| Human FSH Antibody-coated ELISA Plate (Item A)     | Sigma | RAB0660A |
| Human FSH Protein Standard, Lyophilized (Item C)   | Sigma | RAB0660C |
| Biotinylated Human FSH Detection Antibody (Item F) | Sigma | RAB0660F |
| ELISA 5X Assay/Sample Diluent Buffer B (Item E1)   | Sigma | RABELADB |
| 20X Wash Buffer (Item B)                           | Sigma | RABWASH4 |

Sigma - RAB0660

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|                                                        |       |          |
|--------------------------------------------------------|-------|----------|
| HRP-Streptavidin (Item G)                              | Sigma | RABHRP5  |
| ELISA Stop Solution (Item I)                           | Sigma | RABSTOP3 |
| ELISA Colorimetric TMB Reagent (HRP Substrate, Item H) | Sigma | RABTMB3  |

### 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); LSPN - List of Hazardous Notified Substances (Chile); 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](http://www.sigma-aldrich.com) and/or the reverse side of invoice or packing slip for

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Revision Date : 08/11/2026

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US / EN

## Kit Components:

| <b>Human FSH Antibody-coated ELISA Plate (Item A)</b> |           |             |                   |                          |                                       |
|-------------------------------------------------------|-----------|-------------|-------------------|--------------------------|---------------------------------------|
| Product identifier                                    | Pictogram | Signal word | Hazard statements | Precautionary statements | Supplemental information              |
| Sigma - RAB0660A                                      |           |             |                   |                          | Not a hazardous substance or mixture. |

| <b>Human FSH Protein Standard, Lyophilized (Item C)</b> |           |             |                   |                          |                                                                                                      |
|---------------------------------------------------------|-----------|-------------|-------------------|--------------------------|------------------------------------------------------------------------------------------------------|
| Product identifier                                      | Pictogram | Signal word | Hazard statements | Precautionary statements | Supplemental information                                                                             |
| Sigma - RAB0660C                                        |           |             |                   |                          | No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required. |

| <b>Biotinylated Human FSH Detection Antibody (Item F)</b> |           |             |                   |                          |                                       |
|-----------------------------------------------------------|-----------|-------------|-------------------|--------------------------|---------------------------------------|
| Product identifier                                        | Pictogram | Signal word | Hazard statements | Precautionary statements | Supplemental information              |
| Sigma - RAB0660F                                          |           |             |                   |                          | Not a hazardous substance or mixture. |

| <b>ELISA 5X Assay/Sample Diluent Buffer B (Item E1)</b> |           |             |                   |                          |                                                                                                      |
|---------------------------------------------------------|-----------|-------------|-------------------|--------------------------|------------------------------------------------------------------------------------------------------|
| Product identifier                                      | Pictogram | Signal word | Hazard statements | Precautionary statements | Supplemental information                                                                             |
| Sigma - RABELADB                                        |           |             |                   |                          | No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required. |

| <b>20X Wash Buffer (Item B)</b> |           |             |                   |                          |                          |
|---------------------------------|-----------|-------------|-------------------|--------------------------|--------------------------|
| Product identifier              | Pictogram | Signal word | Hazard statements | Precautionary statements | Supplemental information |
| Sigma -                         |           |             |                   |                          | No hazard pictogram, no  |

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|          |  |  |  |  |                                                                              |
|----------|--|--|--|--|------------------------------------------------------------------------------|
| RABWASH4 |  |  |  |  | signal word, no hazard statement(s), no precautionary statement(s) required. |
|----------|--|--|--|--|------------------------------------------------------------------------------|

#### HRP-Streptavidin (Item G)

| Product identifier | Pictogram                                                                         | Signal word | Hazard statements                                                          | Precautionary statements                                                                                                                                                                                                                                                                                           | Supplemental information |
|--------------------|-----------------------------------------------------------------------------------|-------------|----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| Sigma - RABHRP5    |  | Danger      | May cause allergy or asthma symptoms or breathing difficulties if inhaled. | Avoid breathing mist or vapours. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Dispose of contents/ container to an approved waste disposal plant. In case of inadequate ventilation wear respiratory protection. If experiencing respiratory symptoms: Call a POISON CENTER/ doctor. |                          |

#### ELISA Stop Solution (Item I)

| Product identifier | Pictogram | Signal word | Hazard statements | Precautionary statements | Supplemental information                                                                             |
|--------------------|-----------|-------------|-------------------|--------------------------|------------------------------------------------------------------------------------------------------|
| Sigma - RABSTOP3   |           |             |                   |                          | No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required. |

#### ELISA Colorimetric TMB Reagent (HRP Substrate, Item H)

| Product identifier | Pictogram                                                                           | Signal word | Hazard statements            | Precautionary statements    | Supplemental information |
|--------------------|-------------------------------------------------------------------------------------|-------------|------------------------------|-----------------------------|--------------------------|
| Sigma -            |  | Warning     | Suspected of causing cancer. | Obtain special instructions |                          |

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|         |  |  |  |                                                                                                                                                                                                                                                                                                                         |  |
|---------|--|--|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| RABTMB3 |  |  |  | <p>before use. IF exposed or concerned: Get medical advice/ attention. 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. Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> |  |
|---------|--|--|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|