

# • SAFETY DATA SHEET

Version 8.8  
Revision Date 11/06/2025  
Print Date 11/07/2025

## SECTION 1. IDENTIFICATION

### 1.1 Product identifiers

Product name : Chromatin Immunoprecipitation (ChIP) Assay Kit

Product Number : 17-295  
Catalogue No. : 632271  
Brand : Millipore

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

Identified uses : Biochemical research/analysis  
Uses advised against :

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.  
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

- Eye irritation : Category 2A
- Specific target organ toxicity - repeated exposure (Inhalation) : Category 2 (Respiratory Tract)
- Short-term (acute) aquatic hazard : Category 2
- Long-term (chronic) aquatic hazard : Category 3

#### Other hazards

None known.

#### GHS label elements

Hazard pictograms : 

Signal word : Warning

Hazard statements : H319 Causes serious eye irritation.  
H373 May cause damage to organs (Respiratory Tract) through prolonged or repeated exposure if inhaled.  
H401 Toxic to aquatic life.  
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements : **Prevention:**  
P260 Do not breathe mist or vapours.  
P264 Wash skin thoroughly after handling.  
P273 Avoid release to the environment.  
P280 Wear eye protection/ face protection.

**Response:**  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P314 Get medical advice/ attention if you feel unwell.  
P337 + P313 If eye irritation persists: Get medical advice/ attention.

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

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### **SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Refer to component SDS

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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 2.2.

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

Further information on storage conditions : Tightly closed.  
Keep locked up or in an area accessible only to qualified or authorised persons.

Storage class : 12, Non Combustible Liquids

Recommended storage temperature : Recommended storage temperature see product label.

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

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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**

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.

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**SECTION 15. REGULATORY INFORMATION**

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

Protein A	Sigma-Aldrich	16-157C
Agarose/Salmon Sperm DNA		
ChIP Dilution Buffer	Millipore	20-153
Low Salt Immune Complex Wash Buffer	Millipore	20-154
High Salt Immune	Millipore	20-155

Millipore - 17-295

Page 4 of 11

The life science business of Merck KGaA, Darmstadt, Germany operates as MilliporeSigma in the US and Canada



Complex Wash Buffer		
LiCI Immune Complex Wash Buffer	Millipore	20-156
TE Buffer	Millipore	20-157
0.5M EDTA	Millipore	20-158
5M NaCl	Millipore	20-159
1M Tris-HCl, pH 6.5	Millipore	20-160
SDS Lysis Buffer	Millipore	20-163

### 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](http://www.sigma-aldrich.com) and/or the reverse side of invoice or packing slip for

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US / EN

**Kit Components:**

<b>Protein A Agarose/Salmon Sperm DNA</b>					
Product identifier	Pictogram	Signal word	Hazard statements	Precautionary statements	Supplemental information
Sigma-Aldrich - 16-157C					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

<b>ChIP Dilution Buffer</b>					
Product identifier	Pictogram	Signal word	Hazard statements	Precautionary statements	Supplemental information
Millipore - 20-153		Warning	Causes serious eye irritation. Toxic to aquatic life. Harmful to aquatic life with long lasting effects.	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. Dispose of contents/ container to an approved waste disposal plant. Avoid release to the environment. If eye irritation persists: Get medical advice/ attention. Wear eye protection/ face protection.	

<b>Low Salt Immune Complex Wash Buffer</b>					
Product identifier	Pictogram	Signal word	Hazard statements	Precautionary statements	Supplemental information
Millipore - 20-154		Warning	Causes serious eye irritation. Toxic to aquatic life. Harmful to aquatic life with long lasting effects.	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. Dispose of contents/ container to an approved waste disposal plant. Avoid release to the environment. If eye irritation persists: Get medical advice/ attention. Wear eye protection/ face protection.	

<b>High Salt Immune Complex Wash Buffer</b>					
Product identifier	Pictogram	Signal word	Hazard statements	Precautionary statements	Supplemental information
Millipore - 20-155		Warning	Causes serious eye irritation. Toxic to aquatic life. Harmful to aquatic life with long lasting effects.	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. Dispose of contents/ container to an approved waste disposal plant.	



				Avoid release to the environment. If eye irritation persists: Get medical advice/ attention. Wear eye protection/ face protection.	
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### LiCI Immune Complex Wash Buffer

Product identifier	Pictogram	Signal word	Hazard statements	Precautionary statements	Supplemental information
Millipore - 20-156			Harmful to aquatic life with long lasting effects.	Avoid release to the environment. Dispose of contents/ container to an approved waste disposal plant.	

### TE Buffer

Product identifier	Pictogram	Signal word	Hazard statements	Precautionary statements	Supplemental information
Millipore - 20-157					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

### 0.5M EDTA

Product identifier	Pictogram	Signal word	Hazard statements	Precautionary statements	Supplemental information
Millipore - 20-158		Warning	Causes serious eye irritation. May cause damage to organs (Respiratory Tract) through prolonged or repeated exposure if inhaled.	Do not breathe mist or vapours. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Dispose of contents/	

				<p>container to an approved waste disposal plant. Wash skin thoroughly after handling. Get medical advice/ attention if you feel unwell. Wear eye protection/ face protection. If eye irritation persists: Get medical advice/ attention.</p>	
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#### 5M NaCl

Product identifier	Pictogram	Signal word	Hazard statements	Precautionary statements	Supplemental information
Millipore - 20-159					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

#### 1M Tris-HCl, pH 6.5

Product identifier	Pictogram	Signal word	Hazard statements	Precautionary statements	Supplemental information
Millipore - 20-160					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

#### SDS Lysis Buffer

Product identifier	Pictogram	Signal word	Hazard statements	Precautionary statements	Supplemental information
Millipore - 20-163					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s)

Millipore - 17-295

Page 10 of 11

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