

## SAFETY DATA SHEET

According to JIS Z 7253:2019  
**Revision date** 26-Jul-2022  
 Revision Number 2.02

## Section 1: PRODUCT AND COMPANY IDENTIFICATION

|                     |   |
|---------------------|---|
| <b>Product Name</b> | MagCapture(TM) microRNA Isolation Kit, Mouse Ago2 |
| <b>Product Code</b> | 297-74201   |

|   |   |
|---|---|
| <b>Manufacturer</b>                             | FUJIFILM Wako Pure Chemical Corporation<br>1-2 Doshomachi 3-Chome<br>Chuo-ku, Osaka 540-8605, Japan<br>Phone: +81-6-6203-3741<br>Fax: +81-6-6203-5964 |
| <b>Supplier</b>                                 | FUJIFILM Wako Pure Chemical Corporation<br>1-2 Doshomachi 3-Chome, Chuo-ku, Osaka 540-8605, Japan<br>Phone: +81-6-6203-3741<br>Fax: +81-6-6203-2029   |
| <b>Emergency telephone number</b>               | +81-6-6203-3741 / +81-3-3270-8571   |
| <b>Recommended uses and restrictions on use</b> | For research use only   |

## Section 2: HAZARDS IDENTIFICATION

**GHS classification****Classification of the substance or mixture**

Acute toxicity - Oral

Category 4

Skin corrosion/irritation

Category 2

Serious eye damage/eye irritation

Category 2A

Acute aquatic toxicity

Category 3

Chronic aquatic toxicity

Category 3

**Pictograms****Signal word**

Warning

**Hazard statements**

- H315 - Causes skin irritation
- H319 - Causes serious eye irritation
- H302 - Harmful if swallowed
- H402 - Harmful to aquatic life
- H412 - Harmful to aquatic life with long lasting effects

**Precautionary statements-(Prevention)**

- Wash face, hands and any exposed skin thoroughly after handling
- Do not eat, drink or smoke when using this product
- Wear protective gloves/protective clothing/eye protection/face protection
- Avoid release to the environment

**Precautionary statements-(Response)**

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

- If eye irritation persists: Get medical advice/attention
- IF ON SKIN: Wash with plenty of soap and water
- If skin irritation occurs: Get medical advice/attention
- Take off contaminated clothing and wash before reuse
- IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
- Rinse mouth

**Precautionary statements-(Storage)**

- Not applicable

**Precautionary statements-(Disposal)**

- Dispose of contents/container to an approved waste disposal plant

**Others**

**Other hazards** Not available

### Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

**Single Substance or Mixture** Kit (Set of mixtures)

| Chemical Name                              | Weight-% | Molecular weight | ENCS | ISHL No. | CAS RN      |
|--|----------|------------------|------|----------|-------------|
| Anti-Mouse Ago2<br>Magnetic Beads Solution | -        | N/A              | N/A  | N/A      | N/A-29-7421 |
| Cell Lysis Solution                        | -        | N/A              | N/A  | N/A      | N/A-29-7422 |
| Washing Solution for IP                    | -        | N/A              | N/A  | N/A      | N/A-29-7423 |
| Elution Solution I for IP                  | -        | N/A              | N/A  | N/A      | N/A-29-7424 |
| Elution Solution II for IP                 | -        | N/A              | N/A  | N/A      | N/A-29-7425 |
| Binding Solution for Spin<br>Column        | -        | N/A              | N/A  | N/A      | N/A-29-7426 |
| Binding Enhancer for<br>Spin Column        | -        | N/A              | N/A  | N/A      | N/A-29-7427 |
| Washing Solution I for<br>Spin Column      | -        | N/A              | N/A  | N/A      | N/A-29-7428 |
| Washing Solution II for<br>Spin Column     | -        | N/A              | N/A  | N/A      | N/A-29-7429 |
| Elution Solution for Spin<br>Column        | -        | N/A              | N/A  | N/A      | N/A-29-7431 |
| Spin Column/Collection<br>Tube             | -        | N/A              | N/A  | N/A      | N/A-29-7432 |

**Note on ISHL No.:** \* in the table means announced chemical substances.

**Impurities and/or Additives:**

Hazardous Component

**Substances Remarks:**

Stabilizer: Sodium azide <0.1%

Tween20<0.1%, Sodium Dodecyl Sulfate <1%

This product does not contain hazardous chemicals at concentrations of 1% or greater. Additionally, this product is not known to contain carcinogens etc. at concentrations of 0.1% or greater.

### Section 4: FIRST AID MEASURES

**Inhalation**

Remove to fresh air. If symptoms persist, call a physician.

**Skin contact**

Wash off immediately with soap and plenty of water. If symptoms persist, call a physician.

**Eye contact**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediate medical attention is required.

**Ingestion**

Rinse mouth. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately. Do not induce vomiting without medical advice.

**Protection of first-aiders**

Use personal protective equipment as required.

## Section 5: FIRE FIGHTING MEASURES

### Suitable extinguishing media

Water spray (fog), Carbon dioxide (CO<sub>2</sub>), Foam, Extinguishing powder, Sand

### Unsuitable extinguishing media

No information available

### Specific hazards arising from the chemical product

Thermal decomposition can lead to release of irritating and toxic gases and vapors.

### Special extinguishing method

No information available

### Special protective actions for fire-fighters

Use personal protective equipment as required. Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear.

## Section 6: ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

For indoor, provide adequate ventilation process until the end of working. Deny unnecessary entry other than the people involved by, for example, using a rope. While working, wear appropriate protective equipments to avoid adhering it on skin, or inhaling the gas. Work from windward, and retract the people downwind.

### Environmental precautions

To be careful not discharged to the environment without being properly handled waste water contaminated.

### Methods and materials for contaminant and methods and materials for cleaning up

No information available

### Recovery, neutralization

No information available

### Secondary disaster prevention measures

Clean contaminated objects and areas thoroughly observing environmental regulations.

## Section 7: HANDLING AND STORAGE

### Handling

#### Technical measures

Avoid contact with strong oxidizing agents. Use with local exhaust ventilation.

#### Precautions

Do not rough handling containers, such as upsetting, falling, giving a shock, and dragging Prevent leakage, overflow, and scattering. Not to generate steam and dust in vain. Seal the container after use. After handling, wash hands and face, and then gargle In places other than those specified, should not be smoking or eating and drinking Should not be brought contaminated protective equipment and gloves to rest stops Deny unnecessary entry of non-emergency personnel to the handling area

#### Safety handling precautions

Use personal protective equipment as required. Avoid contact with skin, eyes or clothing.

### Storage

#### Safe storage conditions

##### Storage conditions

Store away from sunlight in a cool (2-10 °C) well-ventilated dry place.

##### Safe packaging material

Polyethylene, Glass, Moisture-proof aluminum pack

#### Incompatible substances

Strong oxidizing agents

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### Engineering controls

In case of indoor workplace, seal the source or use a local exhaust system. Provide the safety shower facility, and hand- and eye-wash facility. And display their position clearly.

### Exposure limits

This product, as supplied, does not contain any hazardous materials with occupational

exposure limits established by the region specific regulatory bodies.

**Personal protective equipment**

|                                 |  |
|---------------------------------|--|
| <b>Respiratory protection</b>   | Protective mask                                  |
| <b>Hand protection</b>          | Protection gloves                                |
| <b>Eye protection</b>           | protective eyeglasses or chemical safety goggles |
| <b>Skin and body protection</b> | Long-sleeved work clothes                        |

**General hygiene considerations**

Handle in accordance with good industrial hygiene and safety practice.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

**Form**

|   |                       |
|---|-----------------------|
| <b>Appearance</b>   | Kit (Set of mixtures) |
| <b>Odor</b>   | no data available     |
| <b>Melting point/freezing point</b>                           | no data available     |
| <b>Boiling point, initial boiling point and boiling range</b> | no data available     |
| <b>Flammability</b>   | no data available     |
| <b>Evaporation rate:</b>                                      | no data available     |
| <b>Flammability (solid, gas):</b>                             | no data available     |
| <b>Upper/lower flammability or explosive limits</b>           |                       |
| <b>Upper:</b>   | no data available     |
| <b>Lower:</b>   | no data available     |
| <b>Flash point</b>  | no data available     |
| <b>Auto-ignition temperature:</b>                             | no data available     |
| <b>Decomposition temperature:</b>                             | no data available     |
| <b>pH</b>   | no data available     |
| <b>Viscosity (coefficient of viscosity)</b>                   | no data available     |
| <b>Dynamic viscosity</b>                                      | no data available     |
| <b>Solubilities</b>   | No data available     |
| <b>n-Octanol/water partition coefficient:(log Pow)</b>        | no data available     |
| <b>Vapour pressure</b>  | no data available     |
| <b>Specific Gravity / Relative density</b>                    | no data available     |
| <b>Vapour density</b>   | no data available     |
| <b>Particle characteristics</b>                               | no data available     |

## Section 10: STABILITY AND REACTIVITY

**Stability**

|   |   |
|---|---|
| <b>Reactivity</b>                       | no data available   |
| <b>Chemical stability</b>               | Stable under recommended storage conditions.  |
| <b>Hazardous reactions</b>              | None under normal processing  |
| <b>Conditions to avoid</b>              | Extremes of temperature and direct sunlight   |
| <b>Incompatible materials</b>           | Strong oxidizing agents   |
| <b>Hazardous decomposition products</b> | Carbon monoxide (CO), Carbon dioxide (CO <sub>2</sub> ), Nitrogen oxides (NO <sub>x</sub> ) |

## Section 11: TOXICOLOGICAL INFORMATION

|                                       |                   |
|---------------------------------------|-------------------|
| <b>Acute toxicity</b>                 | no data available |
| <b>Skin irritation/corrosion</b>      | no data available |
| <b>Serious eye damage/ irritation</b> | no data available |

|                                   |                   |
|-----------------------------------|-------------------|
| Respiratory or skin sensitization | no data available |
| Reproductive cell mutagenicity    | no data available |
| Carcinogenicity                   | no data available |
| Reproductive toxicity             | no data available |
| STOT-single exposure              | no data available |
| STOT-repeated exposure            | no data available |
| Aspiration hazard                 | no data available |

## Section 12: ECOLOGICAL INFORMATION

Ecotoxicity No information available

Other data no data available

Persistence and degradability No information available  
 Bioaccumulative potential No information available  
 Mobility in soil No information available  
 Hazard to the ozone layer No information available

## Section 13: DISPOSAL CONSIDERATIONS

### Waste from residues

Disposal should be in accordance with applicable regional, national and local laws and regulations.

### Contaminated container and contaminated packaging

Disposal should be in accordance with applicable regional, national and local laws and regulations.

## Section 14: TRANSPORT INFORMATION

ADR/RID Not regulated  
 UN number -  
 Proper shipping name:  
 UN classification  
 Subsidiary hazard class  
 Packing group  
 Marine pollutant Not applicable

IMDG Not regulated  
 UN number -  
 Proper shipping name:  
 UN classification  
 Subsidiary hazard class  
 Packing group  
 Marine pollutant (Sea) Not applicable  
 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code No information available

IATA Not regulated  
 UN number -  
 Proper shipping name:  
 UN classification  
 Subsidiary hazard class  
 Packing group  
 Environmentally Hazardous Substance Not applicable

## Section 15: REGULATORY INFORMATION

**International Inventories**

|               |   |
|---------------|---|
| EINECS/ELINCS | - |
| TSCA          | - |

**Japanese regulations**

|   |                |
|---|----------------|
| Fire Service Act  | Not applicable |
| Poisonous and Deleterious Substances Control Law                    | Not applicable |
| Industrial Safety and Health Act                                    | Not applicable |
| Regulations for the carriage and storage of dangerous goods in ship | Not applicable |
| Civil Aeronautics Law   | Not applicable |
| Pollutant Release and Transfer Register Law (~2023.3.31)            | Not applicable |
| Pollutant Release and Transfer Register Law (2023/4/1~)             | Class 1        |
| Class 1 - No.   | 595            |
| Export Trade Control Order  | Not applicable |

**Section 16: OTHER INFORMATION****Key literature references and sources for data etc.**

NITE: National Institute of Technology and Evaluation (JAPAN)  
<http://www.safe.nite.go.jp/japan/db.html>  
 IATA dangerous Goods Regulations  
 RTECS:Registry of Toxic Effects of Chemical Substances  
 Japan Industrial Safety and Health Association GHS Model SDS  
 Dictionary of Synthetic Organic Chemistry , SSOCJ, Koudansha Scientific Co.Ltd.  
 Chemical Dictionary, Kyouritsu Publishing Co., Ltd.  
 etc

**Disclaimer**

This SDS is according to JIS Z 7253: 2019. The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

GHS Classification is according to JIS Z7252(2019). \*JIS: Japanese Industrial Standards

**End of Safety Data Sheet**