

# Safety Data Sheet

oncoReveal™ MGMT & MLH1 Methylation Panel

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## Identification

**Product Name** oncoReveal™ MGMT & MLH1 Methylation Panel Kit,  
24 reactions per kit, *PN# HDA-HR-1010-24*

**Kit Components:**

MLH1 MGMT Oligo Pool v2, *PN# HR-6B-24-0001*

Gene-Specific PCR Master Mix, *PN# PB-0016*

Indexing PCR Master Mix, *PN# PB-0018*

## Company Details

Name Pillar Biosciences, Inc.

Address 9 Strathmore Road  
Natick, MA 01760 USA

Telephone: (800) 514-9307

## Emergency Response

In case of emergencies: **CHEMTREC**  
1-800-424-9300 (U.S. or Canada)  
1-703-527-3887 (International)

**Recommended use of product** For research use only  
For use by trained professionals only

## Hazard(s) Identification

**GHS classification** The product is a kit consisting of individual ingredients. The classification of individual components can be found in section 3.

## Composition/Information on Ingredients

### MLH1 MGMT Oligo Pool v2, PN# HR-6B-24-0001

GHS classification	Not a hazardous substance or mixture.
Hazardous components	None

### Gene-Specific PCR Master Mix, PN# PB-0016

GHS classification	Not a hazardous substance or mixture.
Hazardous components	None

### Indexing PCR Master Mix, PN# PB-0018

GHS classification	Not a hazardous substance or mixture.
Hazardous components	None

## First-Aid Measures

### Route of Exposure

Inhalation	Move to fresh air. If not breathing, give artificial respiration. If symptoms persist, call a physician.
Skin contact	Remove contaminated clothing. Wash affected area with soap and water
Eye contact	Remove contact lenses. Immediately flush opened eye with water. Wash eyes with plenty of water for at least 15 minutes. Consult a physician.
Swallowed	Keep respiratory tract clear. Rinse mouth with water. Do not induce vomiting. Consult a physician.
General	Consult a physician after significant exposure and/or persistent symptoms.
<b>Note to physician</b>	Treat symptomatically

## Fire-Fighting Measures

Suitable extinguishing agents	For small fires use carbon dioxide, dry chemical, water spray, or foam extinguishers. Cool closed containers exposed to fire with water spray. For large fires use extinguishing media suitable for the surrounding environment.
Hazardous combustion products	Carbon oxides, sulphur oxides, nitrogen oxides.
Special protective equipment and precautions for fire-fighters	Wear self-contained breathing apparatus if necessary.

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## Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures	Use personal protective equipment (PPE). Avoid breathing vapors, mist, or gas. Use in well-ventilated area.
Environmental precautions	Do not allow product to enter drains, sewage, surface, or ground water.
Methods and materials for containment and cleanup	Remove spilled liquids mechanically with inert absorbent material and dispose according to local regulations. Keep in appropriate closed containers for disposal. Report spills to the environment of any spill materials that reach the RQ.

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## Handling & Storage

### Precautions for safe handling

- Use good laboratory practices. Do not eat, drink, or smoke in operation area.
- Avoid formation of aerosols.
- Immediately remove soiled or contaminated clothing.
- Wash hands before and after use.
- Avoid contact with eyes or skin.
- Use in a well-ventilated area and keep containers tightly sealed.

### Conditions for safe storage

Store according to individual container labelling and keep container tightly sealed.

## Exposure Controls/Personal Protection

### Hazardous components

None

### Control parameters

#### Appropriate engineering controls

Ensure adequate ventilation, especially in confined areas.

#### Personal protective equipment

- **Eye protection:** wear safety glasses with side shields
- **Hand protection:** wear impervious gloves
- **Skin and body protection:** wear lightweight protective clothing
- **Hygiene measures:** handle using good industrial hygiene and safety practices

## Physical and Chemical Properties

### Hazardous components

None

## Stability and Reactivity

**Hazardous components** **None**

## Toxicological Information

Hazardous components None

## Ecological Information

**Hazardous components** **None**

## Disposal Considerations

Hazardous components  **None**

**Disposal methods**

- Disposal should be in accordance with applicable regional, national, and local laws and regulations
- Local regulations may be more stringent than regional or national requirements
- Wear chemically compatible gloves and protective clothing. Avoid breathing vapor. Place product in appropriately labeled container for disposal.
- Do not allow product to contaminate waterways.

**Contaminated packaging**

- Empty remaining contents and dispose as if unused product
- Empty containers should be taken to an approved waste handling site for recycling or disposal
- Do no reuse containers

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## 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 Annex II of MARPOL 73/78 and the IBC Code	Not applicable, packaged goods

### National Regulations

49 CFR	Not regulated as a dangerous good
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## Regulatory Information

Use general safety regulations when handling chemicals

### Inventories

AICS	The hazardous components are listed on the following inventories
DSL	No ingredients listed
ENCS	No ingredients listed
IECSC	No ingredients listed
NZLoC	No ingredients listed
PICCS	No ingredients listed
REACH	No ingredients listed
TSCA	No ingredients listed

CERCLA Reportable Quantity	No ingredients listed
<b>SARA</b>	
302	No ingredients listed
304 Extremely hazardous	No ingredients listed
<b>Substances reportable quantity</b>	
311/312	No ingredients listed
313	No ingredients listed
<b>Clean Air Act</b>	This material does not contain any hazardous air pollutants. This material does not contain any Class 1 or Class 2 ozone depleters.
<b>Clean Water Act</b>	None of the chemicals in this product are listed as Hazardous Substances, Priority Pollutants, or Toxic Pollutants under the CWA.
<b>Carcinogenic categories</b>	
Environmental Protection Agency (EPA)	No ingredients listed
International Agency for Research on Cancer (IARC)	No ingredients listed
National Toxicology Program (NTP)	No ingredients listed
German Maximum Workplace Concentration (MAK)	Not established
National Institute for Occupational Safety and Health (NIOSH)	No PEL established
Occupational Safety and Health Administration (OSHA)	No PEL established
<b>California Proposition 65</b>	
Chemicals known to cause cancer	No ingredients listed
Reproductive toxicity in females	No ingredients listed
Reproductive toxicity in males	No ingredients listed
Developmental toxicity	No ingredients listed
<b>U.S. State Regulations</b>	
Massachusetts Right to Know	No ingredients listed
New Jersey Right to Know	No ingredients listed
Pennsylvania Right to Know	No ingredients listed
Water Hazard class	Not established

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## Other Information

The information provided is correct to the best of our knowledge, information, and belief at the date of publication. The information given is designed merely as a guidance for the safe handling, use, processing, storage, transportation, disposal, and release of the specific contents. The information relates only to the specific material designated and may not be valid for material used in combination with any other materials or in any process not explained within the text.

**Date of Preparation of SDS** 6 June 2024

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