

Safety Data Sheet

oncoReveal® Myeloid v2

SECTION 1: Identification

1.1 Product Identifier

Field	Information
Product Name	oncoReveal® Myeloid v2
Product Number(s)	HDA-MY-1010-24
SDS Number / Revision	DR-0072 – Rev 1
Kit or Component Description	oncoReveal® Myeloid v2 Panel Kit, an aqueous reagent kit containing oligonucleotide pool, master mixes, PCR amplification additives, exonucleases, GC Rescue G, and GC Rescue D.

1.2 Relevant Identified Uses and Uses Advised Against

Use field	Information
Recommended Use	This assay kit is intended for research use only and is not intended for clinical or diagnostic use.
Uses Advised Against	Use only as described in the applicable user manual/IFU. Not for other uses unless validated.

1.3 Details of the Supplier of the Safety Data Sheet

Supplier role	Information
Manufacturer	Pillar Biosciences, Inc. 9 Strathmore Road Natick MA 01760, United States Tel: +1-800-514-9307 Email: info@pillarbiosci.com
Supplier or Importer, If Applicable	5200 Illumina Way (formerly 5200 Research Pl) San Diego, CA 92122 USA 1.858.202.4500 (tel) 1.858.202.4766 (fax)
Other Local Responsible Party, If Applicable	Not applicable

1.4 Emergency Telephone Number

Region	Emergency contact
24-hour emergency telephone	For 24/7 multilingual advice for a spill, leak, fire, exposure, or accident call CHEMTREC at +1 703 527 3887 or 1 800 424 9300 and provide CCN1024820.
Local emergency information	+1 703 527 3887 or 1 800 424 9300 (Toll Free)

SECTION 2: Hazard Identification

2.1 Classification of the Substance or Mixture

Classification Framework	Classification
GHS	Not classified as hazardous
Other applicable classification	Based on available information, this product is not classified as hazardous under GHS-based classification criteria, including U.S. OSHA Hazard Communication Standard and EU CLP criteria.

2.2 Label Elements

Label element	Information
Pictogram(s)	Not applicable
Signal Word	Not applicable
Hazard Statement(s)	Not applicable
Precautionary Statement(s)	Observe good laboratory practices. Avoid contact with skin and eyes. Wear suitable laboratory PPE. / P-statements
Supplemental Information	For professional laboratory use only. See product labeling and user manual/IFU.

3.2 Other Hazards

Certain kit components contain dimethyl sulfoxide (DMSO). The oligonucleotide-pool component contains approximately 14.3% v/v DMSO and GC Rescue D contains 40% v/v DMSO. Avoid skin and eye contact. DMSO can increase dermal penetration of substances dissolved in the reagent.

SECTION 3: Composition / Information on Ingredients

3.1 Substances

Not applicable. This product is a mixture or kit of mixtures/articles.

3.2 Mixtures

Aqueous mixture containing synthetic oligonucleotides and reagents for DNA amplification.

Kit component	Ingredient	CAS / Identifier	Concentration in component	Notes
Oligonucleotide Pool	Dimethyl sulfoxide (DMSO)	67-68-5	Approx. 14.3% v/v	Confirmed from 6 μ L pooled primers + 1 μ L DMSO.
Oligonucleotide Pool	Synthetic oligonucleotides	N/A	Proprietary / applicable level	Primer pool; not represented as 14.3% of the whole kit.
GC Rescue D	Dimethyl sulfoxide (DMSO)	67-68-5	40% v/v	Manufacturing-confirmed formulation.
GC Rescue G	7-deaza-dGTP, dilithium salt	N0445	3 mM final	Derived from 60% v/v of 5 mM NEB N0445 stock.
GC Rescue G	Water	7732-18-5	Balance of aqueous N0445 fraction	NEB N0445 is supplied in Milli-Q water, pH 7.0.
Other kit reagents	Enzymes, buffers, salts, dNTPs, stabilizers	Mixture / N/A	Applicable ranges	Retain existing component-specific information as appropriate.

SECTION 4: First-Aid Measures

4.1 Description of First-Aid Measures

Exposure Route	First-Aid Measure
Inhalation	Move person to fresh air. Seek medical attention if symptoms occur.
Skin Contact	Promptly wash affected skin thoroughly with soap and water and remove contaminated clothing. For DMSO-containing components, promptly remove contamination and avoid prolonged skin contact. Seek medical attention if irritation or other symptoms persist.
Eye Contact	Rinse cautiously with water for at least 15 minutes. Remove contact lenses if present and easy to do. Seek medical attention if irritation persists.
Ingestion	Rinse mouth with water. Do not induce vomiting unless directed by medical personnel. Seek medical attention if symptoms occur.

4.2 Most important symptoms and effects, acute and delayed

No significant adverse effects are expected under recommended use. DMSO-containing components may cause transient local irritation and may facilitate dermal penetration of dissolved substances.

4.3 Indication of Immediate Medical Attention and Special Treatment Needed

Treat symptomatically. Show this SDS to medical personnel.

SECTION 5: Fire-Fighting Measures

5.1 Extinguishing Media

Suitable extinguishing media: Water spray, dry chemical, carbon dioxide (CO₂), or foam, as appropriate for the surrounding fire.

Unsuitable extinguishing media: None known

5.2 Special Hazards Arising from the Product

Thermal decomposition may produce carbon oxides, nitrogen oxides, sulfur oxides, and other irritating fumes depending on composition.

5.3 Advice for Fire-Fighters

Wear self-contained breathing apparatus and protective clothing appropriate for the surrounding fire.

SECTION 6: Accidental Release Measures

6.1 Personal Precautions, Protective Equipment, and Emergency Procedures

Use appropriate laboratory PPE. Avoid contact with skin and eyes, particularly with DMSO-containing components. Wear suitable chemical-resistant gloves, eye protection and protective clothing. Avoid generating aerosols and provide adequate ventilation.

6.2 Environmental Precautions

Prevent release to drains, surface water, or soil where practicable. Follow local spill and waste procedures.

6.3 Methods and Materials for Containment and Cleaning Up

Absorb liquid with inert material and place in a suitable container for disposal. Clean the area with water and appropriate laboratory cleaning solution. If biological material is present due to user handling, follow facility biosafety decontamination procedures.

6.4 Reference to Other Sections

See Section 8 for personal protective equipment and Section 13 for disposal considerations.

SECTION 7: Handling and Storage

7.1 Precautions for Safe Handling

Handle in accordance with good laboratory practices. Avoid direct skin and eye contact with DMSO-containing components. Keep containers closed when not in use. Use only in designated laboratory areas by trained personnel.

7.2 Conditions for Safe Storage, Including Incompatibilities

Component or Kit Type	Storage Condition	Special Instructions
Frozen reagent components	-25 C to -15 C / as labeled	Thaw as directed. Avoid unnecessary freeze-thaw cycles unless validated.

Keep containers tightly closed. Store away from incompatible materials listed in Section 10. Do not use expired or incorrectly stored reagents.

7.3 Specific End Use(s)

Professional laboratory use in accordance with the applicable user manual or instructions for use.

SECTION 8: Exposure Controls / Personal Protection

8.1 Control Parameters

Ingredient	Exposure Limit / Jurisdiction	Value	Notes
No occupational exposure limits established for product as supplied	Not Applicable	Not established	Update if reportable ingredients have limits.

8.2 Exposure Controls

Engineering controls: Use with adequate laboratory ventilation. Use a biological safety cabinet, fume hood, or local exhaust if required by facility procedures or risk assessment.

PPE	Recommendation
Eye/Face Protection	Safety glasses with side shields or equivalent laboratory eye protection.
Hand Protection	Wear disposable chemical-resistant gloves suitable for the formulation, such as nitrile gloves. Change gloves when contaminated and replace gloves promptly after contact with DMSO-containing components
Skin/Body Protection	Laboratory coat or protective garment.
Respiratory Protection	Not normally required under adequate ventilation. Use respiratory protection only if required by risk assessment and local procedures.
Hygiene Measures	Wash hands after handling. Remove contaminated PPE before leaving the laboratory.

SECTION 9: Physical and Chemical Properties

Provide values for the product or kit components as supplied. If the kit includes multiple liquid components with similar properties, state the common property and identify exceptions.

Property	Value
Physical State	Liquid
Color	Clear to slightly colored

Property	Value
Odor	Odorless, DMSO-containing products may have faint garlic odor
Melting Point / Freezing Point	Not determined
Boiling Point or Initial Boiling Point and Range	Not determined
Flammability	Not flammable aqueous product
Lower and Upper Explosion Limits	Not applicable
Flash Point	Not determined for the final DMSO-containing formulations. Neat DMSO physical-property data should not be assigned directly to the diluted kit components
Auto-Ignition Temperature	Not applicable
Decomposition Temperature	No data available
pH	No data available
Kinematic Viscosity	Similar to water
Solubility	Soluble in water
Partition Coefficient n-octanol/Water	No data available
Vapor Pressure	No data available
Density and/or Relative Density	Approximately 1.0 g/cm ³
Relative Vapor Density	No data available
Particle Characteristics	Not applicable to homogeneous aqueous mixture
Other Information	No additional information available

SECTION 10: Stability and Reactivity

Subsection	Information
10.1 Reactivity	Not reactive under recommended storage and handling conditions
10.2 Chemical Stability	Stable under recommended storage conditions]
10.3 Possibility of Hazardous Reactions	None known
10.4 Conditions to Avoid	Temperature extremes, incompatible storage, contamination, and repeated freeze-thaw unless validated
10.5 Incompatible Materials	Strong oxidizing agents and other incompatible materials identified for individual kit components.
10.6 Hazardous Decomposition Products	Carbon oxides, sulfur oxides, nitrogen oxides, and other irritating fumes may be generated under fire or decomposition conditions, depending on component composition.

SECTION 11: Toxicological Information

11.1 Information on Hazard Classes / Toxicological Effects

Endpoint	Information
Acute Toxicity	Not classified
Skin Corrosion/Irritation	Not classified
Serious Eye Damage/Irritation	Not classified
Respiratory or Skin Sensitization	Not classified
Germ Cell Mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive Toxicity	Not classified
STOT - Single Exposure	Not classified
STOT - Repeated Exposure	Not classified
Aspiration Hazard	Not classified
Likely Routes of Exposure	Skin and eye contact are the most likely routes of exposure during laboratory handling. DMSO-containing components may facilitate dermal penetration of dissolved substances. No significant adverse effects are expected under recommended use when appropriate laboratory controls are followed.
Symptoms Related to Exposure	No significant adverse effects expected

11.2 Information on Other Hazards

Endocrine-disrupting properties and other health hazard information: Not applicable

SECTION 12: Ecological Information

Endpoint	Information
12.1 Toxicity	Not classified
12.2 Persistence and Degradability	No data available

Endpoint	Information
12.3 Bioaccumulative Potential	No data available
12.4 Mobility in Soil	No data available
12.5 Results of PBT and vPvB Assessment	Not applicable
12.6 Endocrine-Disrupting Properties	Not applicable
12.7 Other Adverse Effects	None known

SECTION 13: Disposal Considerations

13.1 Waste Treatment Methods

Dispose of product, unused reagents, expired reagents, contaminated materials, and packaging in accordance with applicable local, regional, national, and international requirements and facility procedures. Determine waste classification based on the final formulation and jurisdiction. Do not discharge to drains, surface water, or soil unless permitted.

Unused or expired product: Evaluate as non-hazardous chemical waste

Used assay materials: Tubes, plates, pipette tips, liquids, and other materials that have contacted human specimens, extracted nucleic acids, amplified material, or controls should be managed according to facility biosafety, chemical waste, and contamination-control procedures.

Sharps: Dispose of blades, needles, or other sharps in approved puncture-resistant sharps containers if used in specimen preparation.

Packaging: Clean, non-contaminated packaging may be recycled where permitted. Packaging contaminated with reagents or biological materials should be managed as regulated laboratory waste.

13.2 Regional Waste Notes

Dispose of this product and its container in accordance with the Waste Management and Public Cleansing Act and applicable local government requirements. Waste from business activities may be subject to industrial waste controls and should be managed through authorized waste contractors where required. Avoid release to the environment, drains, or waterways.

SECTION 14: Transport Information

Transport field	Information
UN number or ID Number	Not applicable
UN proper Shipping Name	Not applicable
Transport Hazard Class(es)	Not applicable
Packing Group	Not applicable
Environmental Hazards / Marine Pollutant	No
Special Precautions for User	Keep refrigerated/frozen as labeled; protect from physical damage; do not use if packaging is compromised.
DOT / TDG / ADR-RID / IMDG / IATA	Not regulated as dangerous goods
Cold-Chain Shipping Note	Product is shipped frozen on dry ice. The product is not regulated as a dangerous good; however, dry ice used as a refrigerant is regulated as UN1845, Carbon dioxide, solid / Dry ice, Class 9. Packaging must permit venting of carbon dioxide gas and prevent pressure build-up. Mark package/shipping documentation with the proper shipping name, UN number, and net quantity of dry ice in kilograms, as applicable.

SECTION 15: Regulatory Information

15.1 Safety, health, and Environmental Regulations Specific for the Product

Jurisdiction / framework	Entry / review prompt
United States - OSHA HazCom	Classified according to OSHA Hazard Communication Standard, 29 CFR 1910.1200. Product is not classified as hazardous
United States - EPA / TSCA / RCRA / SARA / State	Not applicable
EU / EEA - CLP and REACH	Classified according to Regulation (EC) No. 1272/2008 (CLP). SDS compiled according to REACH Annex II as amended. UFI: not applicable
EU - SVHC / Restrictions / Authorizations	No substances subject to authorization/restriction or SVHC above applicable thresholds
Canada - WHMIS / HPR	Classified according to the Hazardous Products Regulations. Product is not classified
Brazil	Classified and labeled according to ABNT NBR 14725 and applicable Brazilian requirements. Product is not classified / list hazards.

Jurisdiction / framework	Entry / review prompt
UK	Classified according to GB CLP and UK REACH where applicable. Supplier details and emergency phone updated.
Japan	This product is not classified as hazardous according to GHS criteria as adopted in Japan. This SDS has been prepared with reference to JIS Z 7253. The product does not contain known hazardous ingredients above applicable SDS disclosure thresholds based on available formulation information. Applicability of Japan-specific requirements under the Industrial Safety and Health Act, PRTR Law, Poisonous and Deleterious Substances Control Act, and other relevant regulations should be confirmed using the final formulation and supplier component information.

15.2 Chemical Safety Assessment

No chemical safety assessment has been carried out for this mixture.

SECTION 16: Other Information

Field	Information
Issue Date	2026-08-17
Revision Date	N/A
Revision Number	Rev. 1
Prepared by	Emily Norris – Product Management
Approved by	On File in eQMS
Reason for revision	N/A; New product

16.1 Abbreviations and Acronyms

ACGIH = American Conference of Governmental Industrial Hygienists; ADR = Agreement Concerning the International Carriage of Dangerous Goods by Road; CAS = Chemical Abstracts Service; CLP = Classification, Labelling and Packaging Regulation; DOT = U.S. Department of Transportation; GHS = Globally Harmonized System; HCS = Hazard Communication Standard; IATA = International Air Transport Association; IMDG = International Maritime Dangerous Goods Code; OEL = Occupational Exposure Limit; PBT = Persistent, Bioaccumulative and Toxic; REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals; SDS = Safety Data Sheet; STOT = Specific Target Organ Toxicity; UFI = Unique Formula Identifier; vPvB = very Persistent and very Bioaccumulative; WHMIS = Workplace Hazardous Materials Information System.

16.2 Disclaimer

The information in this SDS is based on current knowledge and is intended to describe the product for safe handling, storage, transportation, and disposal. It is not a specification or warranty. Users are responsible for determining suitability for their intended use and complying with applicable laws and procedures.