

# SAFETY DATA SHEET

P/N M002

#### 1.0 IDENTIFICATION

#### 1.1 Product Identifier

Product Name: Pre-Amp Primer Mix for B-Cell Assay

Product Code: M002 Synonyms: None CAS#: N/A

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

For use as part of the clonoSEQ Assay; the primer mix is used to identify and quantify rearranged B-cell receptor gene sequences in DNA extracted from human blood and bone marrow.

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

Company Information: Adaptive Biotechnologies

1551 Eastlake Avenue East

Seattle, WA 98102

Telephone: 888-552-8988

Email: info@adaptivebiotech.com

## 1.4 Emergency Telephone Number

Emergency Telephone number: Adaptive Biotechnologies: 206-693-2228

#### 2.0 HAZARDS IDENTIFICATION

## 2.1 GHS Classification:

Signal Word: None
Pictogram: None
Health Hazards None
Physical Hazards None
Hazard Statements None
Precautionary Statements None

Despite the classification of components in this mixture as nonhazardous, it is strongly recommended that prudent laboratory practices be employed: use of PPE including nitrile gloves, eye protection and lab coats while handling any laboratory reagent is required. Adaptive Biotechnology will not be held liable for any injuries resulting from the handling or from contact with the product listed on this SDS.

# 3.0 COMPOSITION/INFORMATION ON INGREDIENTS

CAS#	Hazardous Components/Chemical Name	Concentration	GHS Classification
N/A	Synthetic single-stranded oligonucleotides		Nonhazardous
N/A	Synthetic double-stranded linear nucleic acids		Nonhazardous
N/A	Yeast tRNA, purified from brewer's yeast		Nonhazardous
N/A	DNA Suspension Buffer (10mM Tris, 0.1mM EDTA, pH 8.0)		Nonhazardous

## 4.0 FIRST AID MEASURES

# 4.1 Description of first aid measures

Eye Contact: Rinse immediately using an eye wash station for 10 to 15

minutes, forcibly opening eyes and removing contacts if necessary. Eyes should be examined by a physician.

Skin Contact: Remove contaminated clothes immediately, wash affected area

with soap and water. Look for signs of irritation, if irritation is

present, seek medical attention.

Inhalation: Remove the victim to fresh air and keep him/her calm.

In the event of symptoms seek medical treatment.

### **5.0 FIREFIGHTING MEASURES**

**5.1 Fire and Explosion Hazard:** None known to exist.

**5.2 Fire Extinguishing Media:** Dry chemical foam, carbon dioxide or water.

## **6.0 ACCIDENTAL RELEASE**

# 6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation, wear appropriate PPE such as safety glasses, lab coat with cuffs, gloves and closed toed shoes. If spilled, wear appropriate PPE during clean up and use inert absorbent material for cleaning; avoid walking through the spill. Place spillage in appropriate container for disposal.

# 6.2 Environmental precautions

Take steps to avoid release to the environment, especially drains and sinks.

## 7.0 HANDLING AND STORAGE

## 7.1 Precautions for Safe Handling

Technical measures Use prudent laboratory practices for handling and storage of

chemicals and reagents, including use of PPE and hand washing

prior to exiting the laboratory.

# 7.2 Conditions for safe storage including any incompatibilities

Storage conditions - 25°C to – 15°C

Incompatible materials Information not available

Note to Physician: There is no antidote, treat symptomatically and supportively.

# 8.0 EXPOSURE CONTROLS/PERSONAL PROTECTION

# 8.1 Exposure parameters

Exposure Limits OSHA, ACGIH or NIOSH has not established occupational

exposure limits for the components in this mixture.

Appropriate Engineering Controls General industrial hygiene practices.

# 8.2 Exposure controls

Respiratory protection None required under normal conditions of use.

Skin protection Long sleeved lab coat and long pants are required.

Eye protection Use equipment for eye protection that has been tested

and approved under appropriate government standards

such as NIOSH (US) or EN 166 (EU).

Hand protection Protective gloves are required, nitrile is recommended.

# 9.0 PHYSICAL AND CHEMICAL PROPERTIES

## 9.1 Information on basic physical and chemical properties

Form Liquid Odor None

Odor Threshold No data available No data available Boiling Point/boiling range Melting Point/melting range No data available No data available Flash point No data available **Evaporation rate** No data available Flammability (solid, gas) No data available Oxidizing properties Water solubility No data available Upper/lower flammability or explosion limits No data available No data available Partition coefficient Vapor pressure/density No data available No data available pH value

#### 10.0 STABILITY AND REACTIVITY

10.1 Reactivity No specific test data related to reactivity is

available for this product or its ingredients.

10.2 Chemical Stability Stable under recommended storage conditions.

10.3 Possibility of Hazardous Reactions Under normal conditions of storage and use,

hazardous reactions should not occur.

10.4 Conditions to Avoid No specific data

10.5 Incompatibility - Materials to Avoid No specific data

10.6 Hazardous Decomposition Products No specific data

## 11.0 TOXICOLOGICAL INFORMATION

**11.1 Principle Routes of Entry** Ingestion. No specific data

Skin contact. No specific data Eye irritation. No specific data

Respiratory irritation. No specific data

Sensitization. No specific data

**11.2 Acute toxicity** No toxicology information is available

Carcinogenic effects

Mutagenic effects

No information available

Reproductive toxicity

No information available

Sensitization

No information available

## 12.0 ECOLOGICAL INFORMATION

## 12.1 Toxicity

Ecotoxicity No information available

**12.2 Persistence and degradability**No information available

**12.3 Bioaccumulative potential**No information available

**12.4 Mobility in soil**No information available

**12.5 Results of PBT/vPvB assessment**No information available

**12.6 Other adverse effects**No information available

#### 13.0 DISPOSAL CONSIDERATIONS

Dispose of contents/containers in accordance with federal, state and local regulations

## 14.0 TRANSPORT INFORMATION

This material is not considered a dangerous material per DOT guidelines or a dangerous good per IATA guidelines regarding classification.

## 15.0 REGULATORY INFORMATION

The toxicological properties of this material have not been investigated. The material is for research and development purposes only.

#### 16.0 OTHER INFORMATION

For research use with the clonoSEQ assay.

The above information contained in this document is believed to be accurate but is not warranted to be so and should be used only as a guide. The information shall not be taken as being all inclusive; all materials and mixtures may present unknown hazards and should be used with caution. Since Adaptive Biotechnologies cannot control the actual methods, volumes or conditions of use, Adaptive Biotechnologies shall not be held liable for any damage or injuries resulting from the handling or contact with this product.

Warranty: The above information is believed to be correct but does not purport to be all inclusive; the information should be used as a guide.

Prepared by: Tina S. Bailey, MS, CHMM

Prepared on: May 30, 2019

SDS version Three

End of Safety Data Sheet