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Rev. 01

SDS PN: 102-188-000

1. PRODUCT AND COMPANY IDENTIFICATION				
1.1 Product Identifier				
Product Name	SARS-CoV-2 Enrichment Kit			
Product Number(s)	102-135-400			
Other means of identification	This product is a kit box containing 5 reagent tubes			
	Subcomponent Name	Part #	#	Cap Color
	RT Mix	102-144-400	1	Clear
	Probe Mix	102-144-700	1	Clear
	Fill-In Mix	102-144-800	1	Clear
	Cleanup Mix	102-144-900	1	Clear
PCR Mix	102-145-000	3	Clear	
1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against				
Identified Use	For use in combination with Pacific Biosciences® Barcoded M13 Primer Plate for HiFi sequencing of SARS-CoV-2.			
Restrictions on Use	FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES.			
1.3 Details of the Supplier of the Substance or Mixture				
Supplier Name and Address	Pacific Biosciences of California, Inc. 1305 O'Brien Drive Menlo Park, CA 94025 U.S.A www.pacificbiosciences.com			
Supplier phone	+1 650-521-8000			
1.4 Emergency Telephone Number				
Within USA & Canada	Call CHEMTREC 1-800-424-9300 (reference CCN# 656805)			
Outside USA and Canada	techsupport@pacb.com			
2. HAZARD(S) IDENTIFICATION				
2.1 Classification of the substance or mixture				
The kit as a whole is not a hazardous substance or mixture. ¹ Subcomponents are classified as follows.				
Subcomponent Name	Part #	Classification		
RT Mix	102-144-400	Not a hazardous substance or mixture.		
Probe Mix	102-144-700	Not a hazardous substance or mixture.		
Fill-In Mix	102-144-800	Not a hazardous substance or mixture.		
Clean up Mix	102-144-900	Not a hazardous substance or mixture.		
PCR Mix	102-145-000	Not a hazardous substance or mixture.		
2.2 GHS Label Elements and precautionary statements				
Not a hazardous substance or mixture.				

¹ Classification in accordance with 29CFR1910 (OSHA HCS) and UN Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

2.3	Hazards not otherwise classified (HNOC) or not covered by GHS	
	None	
3.	COMPOSITION / INFORMATION ON INGREDIENTS	
3.1	Substances	
	Common Name and Synonyms	SARS CoV-2 Enrichment Kit
	CAS Number	None
	Other unique identifiers	None
3.2	Hazardous components	
	No ingredients are hazardous according to OSHA or GHS criteria	
4.	FIRST AID MEASURES	
4.1	Description of First Aid Measures	
	General advice	Use general laboratory personal protective equipment, including gloves and safety glasses. Avoid skin contact. Do not swallow.
	If inhaled	Move to fresh air. Get medical attention immediately if symptoms occur.
	In case of skin contact	Remove all contaminated clothes and shoes. Wash area of contact immediately with soap and plenty of water, for at least 15 min. See medical attention if symptoms occur.
	In case of eye contact	If applicable, remove contact lenses. Protect unharmed eye. Rinse immediately with plenty of water, for at least 15 minutes. Seek medical attention if symptoms occur.
	If swallowed	Rinse mouth with water if the person is conscious. Do not induce vomiting unless instructed to do so by a medical professional. Immediately seek medical attention if symptoms occur.
4.2	Most important symptoms/effects, both acute and delayed	
	No data available. Refer to section 2.2 and section 11 for additional information.	
4.2	Indication of any immediate medical attention and special treatment needed	
	Treat symptomatically.	
5.	FIRE-FIGHTING MEASURES	
5.1	Suitable Extinguishing Media	
	Extinguish with water spray, carbon dioxide (CO ₂), dry chemical, or alcohol-resistant foam. Always use extinguishing measures that are appropriate to the local circumstances and surrounding environment.	
5.2	Special hazards arising from the substance or mixture	
	Exposure to decomposition products may be a health hazard.	
5.3	Advice for firefighters (special protective equipment or precautions)	
	Wear self-contained breathing apparatus for fire-fighting as necessary. No specialized equipment required.	
6.	ACCIDENTAL RELEASE MEASURES	
6.1	Personal precautions, protective equipment and emergency procedures	
	Use personal protective equipment as required. Ensure adequate ventilation.	
6.2	Environmental precautions	
	Should not be released to the environment. No special precautions required.	
6.3	Methods and materials for cleanup	
	Use inert absorbent materials to clean spill. Place material in a suitable chemical waste container. Abide by federal and local law for proper disposal.	
6.4	Reference to other sections	
	For disposal see section 13.	
7.	HANDLING AND STORAGE	
7.1	Precautions for safe handling	
	Wear personal protective equipment/face protection. Ensure adequate ventilation. Avoid contact with skin, eyes, or clothing. Avoid ingestion and inhalation. Prohibit eating, drinking, and smoking in areas of use.	

7.2	Conditions for safe storage, including any incompatibilities					
	No special requirements for safe storage. Follow instructions provided with product to maintain integrity.					
8.	EXPOSURE CONTROLS / PERSONAL PROTECTION					
8.1	Control Parameters					
	Contains no substances with occupational exposure limit values.					
8.2	Exposure Controls					
	Appropriate engineering controls: General industrial hygiene practice. No special ventilation required for normal use.					
	Personal Protective Equipment (PPE):					
	Eye/Face Protection	Safety glasses				
	Skin and Body Protection	Latex or nitrile gloves; lab coat /apron				
	Respiratory Protection	None required				
9.	PHYSICAL AND CHEMICAL PROPERTIES					
9.1	Information on basic physical and chemical properties					
		102-144-400	102-144-700	102-144-800	102-144-900	102-145-000
	Appearance	Colorless liquid	Blue liquid	Yellow liquid	Red liquid	Colorless liquid
	Odor	None	None	None	None	None
	Odor Threshold	No data	No data	No data	No data	No data
	pH	No data	No data	No data	7.5-8.5	6.0-9.0
	Melting point/freezing point	No data	No data	No data	No data	No data
	Initial boiling point/range	No data	No data	No data	No data	No data
	Flash point	Does not flash	Does not flash	Does not flash	Does not flash	Does not flash
	Evaporation rate	No data	No data	No data	No data	No data
	Flammability (solid, gas)	Does not sustain	Does not sustain	Does not sustain	Does not sustain	Does not sustain
	Flammability or explosive limit	No data	No data	No data	No data	No data
	Vapor pressure	No data	No data	No data	No data	No data
	Relative density	No data	No data	No data	No data	No data
	Solubility(ies)	Completely miscible	Completely miscible	Completely miscible	Completely miscible	Completely miscible
	Partition coefficient	No data	No data	No data	No data	No data
	Auto-ignition temperature	No data	No data	No data	No data	No data
	Decomposition temperature	No data	No data	No data	No data	No data
	Viscosity	No data	No data	No data	No data	No data
10.	STABILITY AND REACTIVITY					
	Reactivity	No known reactivity if stored and used as directed.				
	Chemical Stability	No known decomposition if stored and used as directed.				
	Possibility of Hazardous Reactions	Stable is store and used as directed. Harmful gases or vapors may be formed under fire conditions.				
	Conditions to Avoid	No data available.				
	Incompatible Materials	None known.				
	Hazardous Decomposition Products	No data available. In the event of fire see section 5.				
11.	TOXICOLOGICAL INFORMATION					
11.1	Information on likely routes of exposure					
	The most likely route of exposure is via skin or eye contact. Exposure via inhalation or ingestion is less likely.					

11.2 Symptoms related to the physical, chemical and toxicological characteristics	
No data available	
11.3 Delayed and immediate effects and also chronic effects from short and long-term exposure	
Acute toxicity	No available evidence suggesting any acute toxicity.
Eyes	May cause slight irritation.
Skin	May cause slight irritation.
Inhalation	Avoid breathing vapors. Product may irritate the respiratory tract.
Ingestion	May cause irritation of the digestive tract resulting in nausea and vomiting.
Chronic Effects	Skin irritation: Mild Eye damage: Mild
Developmental Toxicity	No data available.
Skin or respiratory sensitization	No data available.
Carcinogenicity	No data available.
Germ cell mutagenicity	No data available.
Aspiration hazard	No data available.
Specific target organ toxicity – single exposure	No data available.
Specific target organ toxicity – repeated exposure	No data available.
Aggravated Medical Conditions	No data available.
Interactions with other Chemicals	No data available.
11.4 Numerical measures of toxicity	
No data available.	
11.5 Carcinogenicity	
No ingredients in this product are listed as carcinogens by ACGIH, IARC, NTP or OSHA.	
12. ECOLOGICAL INFORMATION	
Ecotoxicity	This product does not contain any substance known to be hazardous to the environment.
Persistence and Degradability	No data available
Bioaccumulative Potential	No data available
Mobility in soil	Will likely be mobile in the environment due to its water solubility.
Results of PBT / vPvB Assessment	None Required
Other adverse effects	No data available
13. DISPOSAL CONSIDERATIONS	
Keep out of drains, sewers, and waterways.	
Disposal Methods	This product, empty containers and all materials that come into contact with this product should be properly disposed of in accordance with local, state, and federal regulations.
US EPA Waste Number	No EPA ID number. Not regulated as a US federal hazardous waste. Not regulated under Title 22 as a California hazardous waste.
14. TRANSPORT INFORMATION	
Not regarded as dangerous for transportation.	
15. REGULATORY INFORMATION	
15.1 USA Federal Regulations	
SARA 313	This product is not regulated by SARA.
Clean Air Act, Section 112 (HAPs)	This product does not contain any HAPs.
Clean Water Act	This product does not contain any pollutant substances.

TSCA	Inactive. Research and development exemption. For R&D use only.
15.2 USA State Regulations	
CA Prop 65	This kit does not contain any chemicals known to the State of California to cause cancer or adverse reproductive health effects
16. OTHER INFORMATION	
Prepared By	Pacific Biosciences of California, Inc. Environment, Health and Safety 1305 O'Brien Drive Menlo Park, CA 94025 U.S.A. safety@pacb.com
Further Information	<p>The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. It is not a warranty or quality specification. This information relates only to the specific material designated and may not be valid for use in combination with any other material or in any other process.</p> <p>For Research Use Only. Not for use in diagnostic procedures. © Copyright 2021, Pacific Biosciences of California, Inc. All right reserved. Information in this document is subject to change without notice. Pacific Biosciences assumes no responsibility for any errors or omissions in this document. Certain notices, terms, conditions and/or use restrictions may pertain to your use of Pacific Biosciences products and/or third-party products. Please refer to the applicable Pacific Bioscience Terms and Conditions of Sale and to the applicable license terms at http://www.pacb.com/legal-and-trademarks/product-license-and-use-restrictions/.</p> <p>Pacific Biosciences, the Pacific Biosciences logo, PacBio, SMRT, SMRTbell, Iso-Seq, and Sequel are trademarks of Pacific Biosciences in the United States and/or certain other countries. All other trademarks are the sole property of their respective owners</p>