

Issuing date: 06Feb23

Revision date: 06Feb23

Rev. 01

SDS PN: 102-887-800

1. Product and company identification				
1.1 Product identifier				
Product name	Revio™ polymerase kit			
Product number(s)	102-739-100			
Other means of identification	This product is a kit box containing 10 reagent tubes.			
	<i>Component name</i>	<i>Part #</i>	<i>#</i>	<i>Cap color</i>
	Annealing buffer	102-797-600	1	light blue
	Sequencing primer	102-797-700	1	light green
	Polymerase buffer	102-797-800	1	yellow
	Sequencing polymerase	102-797-300	1	purple
	Dilution buffer	102-797-900	3	blue
	Sequencing control	102-798-000	1	red
	Loading buffer	102-797-500	2	green
1.2 Relevant identified uses of the substance or mixture and uses advised against				
Identified use	Reagents in this kit are used for binding sequencing polymerase to SMRTbell® library. Includes Revio sequencing control. Recommended for SMRTbell libraries ≥ 3kb. Supports 24 binding reactions.			
Restrictions on use	Research use only.			
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 USA https://www.pacb.com			
Supplier phone	+1.650.521.8000			
1.4 Emergency telephone number				
Within USA and 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 does not contain any hazardous substances. ¹				
Annealing buffer	102-797-600	Not a hazardous material.		
Sequencing primer	102-797-700	Not a hazardous material.		
Polymerase buffer	102-797-800	Not a hazardous material.		
Sequencing polymerase	102-797-300	Not a hazardous material.		
Dilution buffer	102-797-900	Not a hazardous material.		

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

Sequencing control	102-798-000	Not a hazardous material.
Loading buffer	102-797-500	Not a hazardous material.
2.2 GHS label elements and precautionary statements		
Not a hazardous substance or mixture.		
2.3 Hazards not otherwise classified (HNOC) or not covered by GHS		
Sequencing polymerase and Sequencing control contain e.coli derived enzymes.		
3. Composition / information on ingredients		
3.1 Substances		
Common name and synonyms	Revio™ polymerase kit	
CAS number	None	
Other unique identifiers	None	
3.2 Hazardous components		
None.		
4. First aid measures		
4.1 Description of first aid measures		
General advice	Consult a physician. Show this safety data sheet to the physician.	
If inhaled	If breathed in, move person into fresh air. If not breathing, give artificial respiration.	
In case of skin contact	Wash off with water.	
In case of eye contact	Flush eyes with water.	
If swallowed	Never give anything by mouth to an unconscious person. Rinse mouth with water.	
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		
No data available		
5. Fire-fighting measures		
5.1 Suitable extinguishing media		
Dry chemical, carbon dioxide, foam, or water.		
5.2 Special hazards arising from the substance or mixture		
Combustion will produce oxides of carbon and nitrogen.		
5.3 Advice for firefighters (special protective equipment or precautions)		
Wear self-contained breathing apparatus for firefighting as necessary.		
6. Accidental release measures		
6.1 Personal precautions, protective equipment and emergency procedures		
Avoid breathing vapors, mists, or gas. For personal protection see section 8.0.		
6.2 Environmental precautions		
Avoid release to the environment. Report spills and releases as required to appropriate authorities.		
6.3 Methods and materials for cleanup		
Wear personal protective equipment, wipe up with paper towel (or similar), and contain in closed containers.		
6.4 Reference to other sections		
For disposal see section 13.		

7. Handling and storage							
7.1 Precautions for safe handling	Utilize standard good lab practices. Use in a well-ventilated area and wear standard PPE.						
7.2 Conditions for safe storage, including any incompatibilities	Keep containers tightly closed at the recommended storage temperature.						
8. Exposure controls / personal protection							
8.1 Control parameters	Contains no substances with occupational exposure limit values.						
8.2 Exposure controls	<p>Appropriate engineering and administrative controls: General industrial hygiene practice. No special ventilation required for normal use.</p> <p>Personal protective equipment (PPE):</p> <table border="1"> <tr> <td>Eye/face protection</td> <td>Safety glasses</td> </tr> <tr> <td>Skin and body protection</td> <td>Latex or nitrile gloves; lab coat /apron</td> </tr> <tr> <td>Respiratory protection</td> <td>None required</td> </tr> </table>	Eye/face protection	Safety glasses	Skin and body protection	Latex or nitrile gloves; lab coat /apron	Respiratory protection	None required
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							
Appearance	Each reagent tube contains clear colorless liquid, except for Loading buffer, which will be clear and light purple.						
Odor	No odor						
Odor threshold	No data available						
pH	7.0-9						
Melting point/freezing point	No data available						
Initial boiling point and boiling range	No data available						
Flash point	No data available						
Evaporation rate	No data available						
Flammability (solid, gas)	No data available						
Upper/lower flammability or explosive limit	No data available						
Vapor pressure	No data available						
Relative density	No data available						
Solubility(ies)	No data available						
Partition coefficient: n-octonal/water	No data available						
Auto-ignition temperature	No data available						
Decomposition temperature	No data available						
Viscosity	No data available						
10. Stability and reactivity							
Reactivity	This product is not reactive under normal conditions of storage and use.						
Chemical stability	Stable under recommended storage conditions.						
Possibility of hazardous reactions	No data available						
Conditions to avoid	No data available						
Incompatible materials	Avoid contact with strong acids, bases, and oxidizers.						
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 chronic effects from short-and long-term exposure	
Eyes	No data available
Skin	No data available
Inhalation	No data available
Ingestion	No data available
Chronic effects	No data available
Aggravated medical conditions	No data available
Interactions with other chemicals	No data available
11.4 Numerical measures of toxicity (include calculated values?)	
Acute toxicity	No data available
Skin corrosion/irritation	No data available
Serious eye damage/irritation	No data available
Respiratory or skin sensitization	No data available
Germ cell mutagenicity	No data available
Reproductive toxicity	No data available
Specific target organ 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	No data available
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available
Results of PBT and vPvB assessment	None Required
Other adverse effects	No data available
13. Disposal considerations	
Dispose all waste in accordance with local, regional, and national regulations.	
Product	See above.
Contaminated packaging	See above.
US EPA waste number	No EPA waste numbers apply. Not regulated as a US federal hazardous waste. May be regulated under individual state laws.
14. Transport information	
Transportation of this product is not regulated under ICAO, IMDG or US DOT.	
15. Regulatory information	
15.1 USA federal regulations	
SARA 302	No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
SARA 313	This material does not contain any chemical components with known CAS numbers that exceed the threshold reporting levels established by SARA Title III, Section 313.
SARA 311/312	No SARA hazards.

TSCA	Research 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 USA 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>Research use only. Not for use in diagnostic procedures. © 2023 Pacific Biosciences of California, Inc. ("PacBio"). All rights reserved. Information in this document is subject to change without notice. PacBio 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 PacBio products and/or third-party products. Refer to the applicable PacBio terms and conditions of sale and to the applicable license terms at pacb.com/license. Pacific Biosciences, the PacBio logo, PacBio, Circulomics, Omniome, SMRT, SMRTbell, Iso-Seq, Sequel, Nanobind, SBB, Revio, and Onso are trademarks of PacBio.</p>