

Safety data sheet

Issuing date: 20Sep22 **Revision date:** 14Feb23 **Rev.** 02 **SDS PN:** 102-784-200

1.	Product and company identi	fication				
1.1	Product identifier					
	Pro	duct name	Onso™ fragmentation DNA library	prep kit		
	Product	number(s)	102-499-100			
Other means of identification This product is a kit box containing 8 reac			g 8 reagent tub	es.		
		-	Subcomponent name	Part #	#	Cap color
		-	Fragmentation buffer	102-554-800	1	blue
		-	Fragmentation enzyme	102-554-900	1	purple
		-	Ligation mix	102-554-400	3	yellow
		-	Ligation enhancer	102-554-500	1	red
		-	EDTA	102-554-600	2	white
1.2	Relevant identified uses of the	substance or	mixture and uses advised against			<u> </u>
	Ide	ntified use	For creation of Onso-compatible limolecular weight DNA. Contains reend-repair, A-tailing, and adapter ligreactions).	eagents for DN	A fragm	nentation,
	Restricti	ons on use	Research use only. Professional us	sers only.		
1.3	Details of the supplier of the su	ostance or m	nixture			
	Supplier name and address		Pacific Biosciences of California, Inc. 1305 O'Brien Drive Menlo Park, CA 94025 USA https://www.pacb.com			
	Supp	olier phone	+1.650.521.8000			
1.4	Emergency telephone number					
	Within USA a	nd Canada	Call CHEMTREC 1-800-424-9300 (reference CCN# 656805))5)
	Outside USA a	nd Canada	techsupport@pacb.com			
2.	Hazard(s) identification					
2.1	Classification of the substance	or mixture				
	The kit contains hazardous subs	stances.1 Eac	ch subcomponent is classified as fo	ollows.		
	Subcomponent name	Part #	Classification			
	Fragmentation buffer	102-554-800	Acute aquatic toxicity (category 3),	Chronic aquatic	toxicity (category 3).
	Fragmentation enzyme	102-554-900	Acute aquatic toxicity (category 3),	Chronic aquatic	toxicity (category 3).
	Ligation mix	102-554-400	Not a hazardous material.			
	Ligation enhancer	102-554-500	Not a hazardous material.			
	EDTA	102-554-600	Eye irritant (category 2A)			

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

Information is provided for the hazardous components listed in section 2.1				
Product	Pictogram	Signal word	Hazard statement(s)	Precautionary statement(s)
Fragmentation buffer	None	None	Harmful to aquatic life.Harmful to aquatic life with long-lasting effects	 Avoid release to the environment. Dispose of contents and container in accordance with local regulations.
Fragmentation enzyme	None	None	Harmful to aquatic life. Harmful to aquatic life with long-lasting effects	 Avoid release to the environment. Dispose of contents and container in accordance with local regulations.
EDTA	(! >	Warning	Causes serious eye irritation.	Wash skin thoroughly after handling. Wear protective gloves/eye protection/face protection. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses present and easy to do so. Is eye irritation persists: Get medical advice/attention.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

None

3. Composition / information on ingredients

3.1 Substances

J. I	Substances	
	Common name and synonyms	Onso™ fragmentation DNA library prep kit
	CAS number	None
	Other unique identifiers	None

3.2 Hazardous components

The following hazardous ingredients are present.

Subcomponent	Hazardous ingredient(s)	CAS	GHS classification	Concentration (wt%)
Fragmentation buffer	Triton™ X-100	9036-19-5	Acute toxicity, oral (category 4); Skin irritation (category 2); Serious eye damage (category 1); Acute aquatic toxicity (category 1); Chronic aquatic toxicity (category 1)	0.1-1%
Fragmentation enzyme	Triton™ X-100	9036-19-5	Acute toxicity, oral (category 4); Skin irritation (category 2); Serious eye damage (category 1); Acute aquatic toxicity (category 1); Chronic aquatic toxicity (category 1)	0.1-1%
EDTA	Ethylenediaminetetraacetic acid	60-00-4	Eye irritant (category 2A)	> 15% and < 20%

4. First aid measures

4.1	Description	of first aid	maggurac
4.1	Description	or rirst aid	measures

General advice	Consult a physician. Show this safety data sheet to the physician. Follow the general practices listed for all component and specific practices as noted.	
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	Et Flush eyes with water.	
	EDTA: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. If eye irritation persists: Get medical advice/attention	
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			
5.2	Special hazards arising from the subs			
	Combustion will produce oxides of car			
5.3	Advice for firefighters (special protect			
4	Wear self-contained breathing apparat	us for firefighting as necessary.		
6.	Accidental release measures			
6.1	Personal precautions, protective equip			
		For personal protection see section 8.0.		
6.2	Environmental precautions			
		ort spills and releases as required to appropriate authorities.		
6.3	Methods and materials for cleanup			
<i>.</i>		vipe 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			
		ood lab practices, use in a well-ventilated area, and wear standard PPE ddition to the general practices, follow specific practices as noted.		
		r handling. Wear protection gloves/eye protection/face protection.		
7.2	Conditions for safe storage, including			
7.2	Keep containers tightly closed at the re			
8.	Exposure controls / personal prote			
8.1	Control parameters			
0.1	Contains no substances with occupation	onal evnosure limit values		
8.2	Exposure controls	onal exposure in the values.		
0.2	Appropriate engineering controls:			
		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 che	mical properties		
	Appearance	Each reagent tube contains clear colorless liquid.		
	Odor	No odor		
	Odor threshold	No data available		
	рH	7.0-9.0		
	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		
Upp	er/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-octanol/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 exposi	ure		
	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 o	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			
	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		
4	Specific target organ toxicity	No data available		
11.5	Carcinogenicity	ada a sanina mana ha AOOHI IADO NITO - OOHA		
10		ed as carcinogens by ACGIH, IARC, NTP or OSHA.		
12.	Ecological information			
	Ecotoxicity	No data available		
	Persistence and degradability	No data available		
	Bioaccumulative potential Mobility in soil	No data available No data available		

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Results of	PBT and vPvB assessment	None Required	
Other adverse effects		No data available	
13. Disposal	Disposal considerations		
Dispose a	Il 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. Transpor	rt information		
Transport	ation of this product is not r	egulated under ICAO, IMDG or US DOT.	
15. Regulato	ry information		
15.1 USA fede	ral regulations		
SARA 302	No chemicals in this mater	rial are subject to the reporting requirements of SARA Title III, Section 302	
SARA 313		ntain any chemical components with known CAS numbers that exceed the established by SARA Title III, Section 313	
SARA 311/312	EDTA: Specific target orga	n toxicity (repeat exposure)	
TSCA	Research use only.		
15.2 USA state	regulations		
CA Prop 65	This kit does not contain a reproductive health effects	ny chemicals known to the state of California to cause cancer or adverse s	
16. Other inform	ation		
Prepared by Pacific Biosciences of California, Inc. Environment, Health and Safety 1305 O'Brien Drive Menlo Park, CA 94025 USA safety@pacb.com			
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