

Safety data sheet

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Rev. 01

SDS PN: 102-338-500

RNase A 102-278-800 1 blue Buffer CT 102-280-300 1 clear 1.2 Relevant identified uses of the substance or mixture and uses advised against	1.	Product	and company	identif	cation							
Product number(s) 102-208-100 Other means of identification This product is a pouch containing 1 tube and 1 bottle. Image: Supplement of the substance or mixture and uses advised against Image: Supplement of the substance or mixture and uses advised against Image: Supplement of the substance or mixture This kit is used with Nanobind tissues kit RT (102-209-000) to complete HWW DNA extraction from animal tissues (24 reactions). Restrictions on use Research use only. Image: Supplier name and address Pacific Biosciences of California, Inc. 1305 O'Brien Drive Menio Park, CA 94025 USA https://www.pacb.com Supplier name and address Supplier phone +1.650.521.8000 Image: Supplier phone under the substance or mixture Image: Supplier phone +1.650.521.8000 Image: Supplier phone under the substance or mixture Image: Supplier phone +1.650.521.8000 Image: Supplier phone under the substance or mixture Image: Supplier phone +1.650.221.8000 Image: Supplier phone under the kit contains hazardous substance. Image: Supplier phone +1.650.221.8000 Image: Supplier phone under the kit contains hazardous substance or mixture Image: Supplier phone +1.650.221.8000 Image: Supplier phone under the substance or mixture Image: Supplier phone +1.650.221.8000 Image: Supplier phone under the substance or mixture Image: Supplier p	1.1	Product i	dentifier									
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								Australia	/New Zealand.	Certifi	cate of	
origin available upon request.				•								

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

3.	Compos	ition / inform	ation on i	ngredie	ents					
3.1	.1 Substances									
	Common name and synonym				Nanob	obind tissue kit 4C				
					None					
		Other ι	unique ider	tifiers	None					
3.2		us components								
	The follo	wing hazardou	s ingredien	ts are p	resent.					
Compon	nent	Hazardous ingr	redient(s)	dient(s) CAS		GHS classification				
Buffer CT		Trade secret		Trade secret		Acute Toxicity, oral (category 4), Skin irritation (category 2), Serious eye damage (category 1), Acute aquatic toxicity (category 1), Chronic aquatic toxicity (category 1)	0.5%			
4.	First aid	measures								
4.1	Descripti	on of first aid ı	neasures							
	G	eneral advice	Consult a	physici	an. Sho	ow 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 Flu			Flush eyes with water.						
	If swallowed Never give anything by mouth to an unconscious person. Rinse mouth with water.						n water.			
4.2	Most imp	oortant sympto	ms/effects	s, both a	icute ar	nd delayed				
						n 11 for additional information.				
4.2			diate medio	cal atter	ntion ar	nd special treatment needed				
	No data a						_			
5.	Fire-figh	nting measure	es							
5.1		extinguishing I								
	Dry chem	nical, carbon di	oxide, foan	n, or wat	ter.					
5.2	-	azards arising								
		ion will produc				-				
5.3	Advice for firefighters (special protective equipment or precautions)									
				aratus f	or fire-1	fighting 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	Precautio	ons for safe ha	ndling							
	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 pr	otection						
8.1 Control parameters	Control parameters						
Contains no substances with occup	Contains no substances with occupational exposure limit values.						
8.2 Exposure controls	Exposure controls						
Appropriate engineering controls:	Appropriate engineering controls:						
General industrial hygiene practice.	General industrial hygiene practice. No special ventilation required for normal use.						
Personal protective equipment (PP	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 propertie	Physical and chemical properties						
9.1 Information on basic physical and o	chemical properties						
Appearance	Each reagent tube/bottle contains clear colorless liquid.						
Odor	No odor						
Odor threshold	No data available						
pH	RNase A: 7.5; Buffer CT: 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						
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 expo	Information on likely routes of exposure						
The most likely route of exposure is	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,	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						
Eyes	No data available						
Skin	No data available						

	Inhalation	No data available				
	Ingestion	No data available				
	Chronic effects	No data available				
	ated medical conditions	No data available				
	ons with other chemicals	No data available				
11.4 Numerica						
	Acute toxicity	No data available				
	Skin corrosion/irritation	No data available				
Serio	us eye damage/irritation	No data available				
Respira	tory or skin sensitization	No data available				
	Germ cell mutagenicity	No data available				
	Reproductive toxicity	No data available				
Spec	cific target organ toxicity	No data available				
11.5 Carcinoge	11.5 Carcinogenicity					
No ingredi	ents in this product are lis	sted as carcinogens by ACGIH, IARC, NTP or OSHA.				
12. Ecologica	al information					
	Ecotoxicity	No data available				
Persi	stence and degradability	No data available				
	oaccumulative potential	No data available				
	Mobility in soil	No data available				
Results of PB	T and vPvB assessment	None Required				
	Other adverse effects	No data available				
13. Disposal	considerations					
Dispose a	Il waste in accordance wit	h local, regional and national regulations.				
	Product	See above				
C	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	t information					
Transport	Transportation of this product is not regulated under ICAO, IMDG or US DOT.					
15. Regulatory information						
15.1 USA federal regulations						
SARA 302	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	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						
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