

## **SAFETY DATA SHEET**

**Issuing Date:** 17Aug18 **Revision Date:** 29Apr19 **Rev.** 02 **SDS PN:** 101-636-700

1.1	Product									
		Identifier			Т					
	Product Name				Sequel® D	NA Internal Control Cor	mplex 3	3.0		
	Product Number(s)				101-500-300					
	Other means of identification				This produ	ct is a kit box containin	g 6 rea	gent tubes.		
					Subcomponent	Name	Part #	#	Cap Colo	
					Sequel <sup>®</sup> DI	NA Internal Control Compl	ex 3.0	101-180-100	1	Purple
				9	Sequel® Complex Dilution	Buffer	101-623-600	3	Blue	
							DTT	001-388-706	2	Red
1.2	Relevant	Identified Use	s of the	Sul	ostance or N	Mixture and Uses Adv	ised A	gainst		<u> </u>
			ntified L		For use with the Pacific Biosciences PacBio® Sequel® system					
	Restrictions on Use				FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES.					
1.3	Details o	f the Supplier	of the S	ubs	tance 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						
		Sup	plier pho	ne	+1 650-52	1-8000				
1.4	Emergency Telephone Number									
	Within USA & Canada				Call CHEMTREC 1-800-424-9300 (reference CCN# 656805)					
		Outside USA a	nd Cana	ada	techsuppo	rt@pacb.com				
2.	HAZARI	HAZARD(S) IDENTIFICATION								
2.1	Classific	ation of the su	bstance	or	mixture					
	The kit as a whole is not a hazardous substance or mixture. Subcomponents are classified as follows.								 3.	
		Subcomponen	t Name		Part #	Classification				
Sequ	Sequel® DNA Internal Control Complex 3.0				01-180-100	Not a hazardous substance or mixture.				
	Coque. Complex 2			01-623-600	23-600 Not a hazardous substance or mixture.					
				01-388-706	Skin Irritation (Category 3)					
2.2	GHS Lab	el Elements ar	nd preca	autic	nary staten	nents				
	Information	on is provided fo	or the ha	zarc	lous compor	nents listed in section 2	.1			
Subco	Subcomponent Pictogram Signal Word			Hazard statement(s)		Precautionary statement(s)				
	DTT Tube	Tube None Warning		ng	H316: Causes mild skin irritation		P332+P313: If skin irritation occurs: Get medical advice/attention			

<sup>1</sup> Classification in accordance with 29CFR1910 (OSHA HCS) and UN Globally Harmonized system of classification and labelling of chemicals

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3.	COMPOSITIO	N / INF	ORMATION	I ON INGRE	DIENTS				
		14 / 1141	OKWATION	I ON INOINE	DIENTO				
3.1	3.1 Substances  Common Name and Synonyms				A Internal Control Complex 3.0				
CAS Number				None	Themai control complex 5.5				
Other unique identifiers				None					
3.2	Hazardous cor								
	The DTT Tube of hazardous ingre		the following	hazardous inç	gredients. None of the other reagent tubes cont	ain any			
Subco	mponent	Hazard Ingred		CAS	GHS Classification	Concentration (wt%)			
DTT Tube DL-Di		DL-Dith	iiothreitol	3483-12-3	Acute Toxicity, Oral (Category 4); Skin Irritation (Category 2); Eye Irritation (Category 2A); Specific Target Organ Toxicity – single exposure (Category 3), Respiratory system; Chronic Aquatic Toxicity (Category 3)	6.17%			
4.	FIRST AID MI	EASUR	ES						
4.1	Description of	First Ai	d Measures						
_	General			Consult a physician. Show this safety data sheet to the physician.					
	lf i	nhaled	If breathed in, move person into fresh air. If not breathing, give artificial respiration.						
	In case of skin of	contact	Wash off with plenty of water. If skin irritation occurs: Get medical advice/attention.						
	In case of eye	contact	Flush eyes with water.						
			anything by mouth to an unconscious person. Rinse mouth with water.						
4.2	Most importan	t sympt	ptoms/effects, both acute and delayed						
					11 for additional information.				
4.2	Indication of a	Indication of any immediate medical attention and special treatment needed							
	No data availab	-			•				
5.	FIRE-FIGHTING MEASURES								
5.1	Suitable Exting	uishin	n Media						
				r water.					
5.2	Dry chemical, carbon dioxide, foam or water.  Special hazards arising from the substance or mixture								
	Combustion will								
5.3					ment or precautions)				
			•		hting as necessary.				
6.	ACCIDENTAL				, , , , , , , , , , , , , , , , , , ,				
6.1	Personal preca	utions.	protective e	guipment and	d emergency procedures				
					7 - 1 -				
6.2	Avoid breathing vapors, mists or gas. For personal protection see section 8.0.  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 fo								
				Jse in a well-v	rentilated area and wear standard PPE.				
7.2	Conditions for								

	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					
	Appropriate engineering controls					
		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					
	Appearance	Each reagent tube contains clear colorless liquid.				
	Odor	The DTT Tube may have a slight sulfur odor.				
	Odor Threshold	No data available				
	рН	7.0-8.5				
	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  No data available				
	Flammability (solid, gas)					
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-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 INFORMATI	ON				
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 ar	nd 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
Aggravated Medical Conditions	No data available
Interactions with other Chemicals	No data available

11.4	,						
		Acute toxicity	Dithiothreitol – LD <sub>50</sub> Oral – Rat – 400 mg/kg				
		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				
	Spe	cific target organ toxicity	No data available				
11.5	Carcinogenicity						
	No ingredi	No ingredients in this product are listed as carcinogens by ACGIH, IARC, NTP or OSHA.					
12.	ECOLOGICAL INFORMATION						
		Ecotoxicity	Dithiothreitol – LC <sub>50</sub> – Daphnia Magna (water flea) – 27 mg/L – 48h				
	Persis	stence and Degradability	No data available				
	В	ioaccumulative Potential	No data available				
		Mobility in soil	No data available				
F	Results of PB	Tand vPvB Assessment	None Required				
		No data available					
13.	DISPOSA	AL CONSIDERATIONS					
	Dispose all waste in accordance with local, regional and national regulations.						
		Product	See above				
	C	Contaminated Packaging	See above				
		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						
	Transporta	ation of this product is not	regulated under ICAO, IMDG or US DOT.				
15.		REGULATORY INFORMATION					
15.1	USA Fede	ederal Regulations					
	SARA 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						
SA	RA 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 U.S.A. safety@pacb.com Further The above information is believed to be correct but does not purport to be all inclusive and shall be Information 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 quarantee 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. For Research Use Only. Not for use in diagnostic procedures. © Copyright 2019. Pacific Biosciences of California, Inc. All right reserved. Information in this document is subject to change without notice.

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