PacBio

Safety data sheet

Issuing date: 29SEP23 **Revision date:** 30OCT23 **Rev.** 02 **SDS PN:** 103-230-500

1. Product and company identification

1.1 Product identifier

Product name	Kinnex™ capture beads kit
Product number(s)	103-076-000
Other means of identification	This product is a box containing 4 tubes.

Subcomponent name	*Part #*	*#*	*Cap color*
Kinnex capture beads	103-144-900	1	clear
Kinnex bead binding buffer	103-145-400	1	clear
Kinnex bead washing buffer	103-145-500	2	clear

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified use	The Kinnex capture beads kit contains beads and buffers to capture the 3’ or 5’ of 10x single-cell cDNA molecules.
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 is not a hazardous substance or mixture.[1]

Subcomponent name	*Part #*	*Classification*
Kinnex capture beads	103-144-900	Not a hazardous substance or mixture.
Kinnex bead binding buffer	103-145-400	Not a hazardous substance or mixture.
Kinnex bead washing buffer	103-145-500	Not a hazardous substance or mixture.

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

Kinnex capture beads (103-144-900) contain bovine derived material. Country of origin USA.

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

3. Composition / information on ingredients

3.1 Substances

Common name and synonyms	Kinnex capture beads kit
Cas number	None
Other unique identifiers	None

3.2 Hazardous components

The product contains the following hazardous ingredient. At the given concentration, this ingredient is not considered hazardous to health.

Product	*Hazardous Ingredient(s)*	*CAS*	*GHS Classification*	*Concentration (wt%)*
Kinnex capture beads	Sodium Azide	26628-22-8	Acute Toxicity, Oral (Category 2); Acute Toxicity, Dermal (Category 1); Specific target organ toxicity – repeated exposure, Oral (Category 2), Brain; Acute Aquatic Toxicity (Category 1); Chronic Aquatic Toxicity (Category 1)	0.02 %

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 inhaled, 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 fire-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 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**	
	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**	
	Appearance	The binding and wash buffers appear as clear colorless liquids. The capture beads may appear brown in color with some settling particles.
	Odor	No odor
	Odor threshold	No data available
	pH	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
	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-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 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	
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
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 ID number. Not regulated as a US federal hazardous waste. Not regulated under Title 22 as a California hazardous waste.
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	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. Research use only. Not for use in diagnostic procedures.