

Long-read sequencing workflow product storage recommendations



Quick reference card

PacBio® reagent kits are guaranteed a minimum shelf life of 90 days upon customer receipt. For specific kit storage conditions, please see the product packaging and insert.

This table assists in determining shelf life and storage conditions of intermediate reagents and workflow products of PacBio sample preparation, library preparation, and sequencing protocols.

Workflow step	Product	Shelf life	Storage conditions
Sample preparation*	Nanobind® kits	See product packaging	See product packaging
	SRE kits	See product packaging	See product packaging
	SMRTbell® cleanup beads	See product packaging	4°C
	AMPure® PB beads	See product packaging	4°C
Library preparation*	35% AMPure PB beads	≤30 days	4°C
	Sheared/concentrated DNA**	>6 months	-20°C
	80% ethanol	≤3 days	Room temperature (18–23°C)
Sequencing preparation*	SMRTbell library**	Use immediately or store at -20°C <i>Like most DNA, SMRTbell library will slowly degrade over time.</i>	-20°C
	Iso-Seq® express oligo kit	See product packaging	-70°C to -80°C
	Diluted polymerase	Single use (use immediately after diluting)	Ice (dispose of residuals)
	Bound SMRTbell/polymerase complex	4 weeks	4°C (never frozen)
	Final diluted on-plate complexes	24 hours	4°C (prior to loading sample plate on the sequencer system)
	Diluted DNA internal controls	Single use (use immediately after diluting)	Ice (dispose of residuals)

* Sequencing performance results after storage are dependent on DNA sample quality/type and cannot be guaranteed.

** To minimize possible contamination and degradation caused by multiple freeze/thaw cycles, sub-aliquot products into smaller volumes for storage at -20°C. Alternatively, SMRTbell library can also be stored at 4°C if used within 30 days.

Revision history (description)	Version	Date
Minor modifications to diluted sequencing primer, bound SMRTbell/polymerase complex, diluted on-plate complexes and diluted controls	05	November 2018
Diluted sequencing primer updated to say “conditioned sequencing primer.” Conditioned primer shelf life and storage conditions also updated.	06	December 2018
Removed MagBead template, bound template polymerase complex, and added notes below table.	07	April 2021
Added products to storage recommendation table to reflect updated workflow	08	February 2023

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