

Description

The SMRTbell prep kit 3.0 contains all reagents for library preparation with overhang SMRTbell adapters (24 samples).

Kit configuration & layout

Configuration

#	Component	Part number	Qty	Color	Volume
1	Repair buffer	102-166-000	1	purple	220 µL
2	End repair mix	102-166-100	1	blue	110 µL
3	DNA repair mix	102-167-700	1	green	55 µL
4	SMRTbell adapter	102-167-800	1	orange	125 µL
5	Ligation mix	102-167-200	1	yellow	860 µL
6	Ligation enhancer	102-179-100	1	red	55 µL
7	Nuclease buffer	102-167-900	1	light purple	155 µL
8	Nuclease mix	102-166-200	1	light green	155 µL
9-10	Elution buffer	100-159-800	2	white	1.5 mL

Layout



Quantities

24 samples

Storage and handling requirements

Product should be stored frozen between -15 to -25 °C.

Refer to protocols for additional recommendations for reagent handling.

Shelf life

Refer to expiration date on kit label.

Intended use

Research use only. Not for use in diagnostic procedures.

This standalone kit is intended to be used to prepare SMRTbell libraries starting from prepared DNA, including sheared gDNA, amplicons, and cDNA. It is intended to be used with PacBio long-read sequencing systems. The primary use cases are to prepare SMRTbell libraries for whole-genome sequencing, amplicon sequencing, or Iso-Seq.

Support

For additional product and technical information, such as safety data sheets (SDS) or procedures, visit our website at

<http://www.pacb.com/support/documentation/>

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