

### Description

The SMRTbell™ Template Prep Kit 1.0 contains reagent supplies to perform SMRTbell library preparations of primer-annealed SMRTbell libraries for insert sizes ranging from 500 bp to over 20 kb. Reagent quantities support 10 library preparations.

Kit components include:

Subcomponent Name	Part Number	Number	Color	Fill Volume (µl)
DNA Damage Repair Mix	100-317-800	1	Red	25 µl
10x DNA Damage Repair Buffer	001-561-085	1	Red	60 µl
NAD+	001-561-194	1	Red	10 µl
dNTP	001-394-781	1	Red	45 µl
ATP high	001-394-672	1	Red	320 µl
End Repair Mix	001-560-077	1	Red	30 µl
10X Template Prep Buffer	001-331-379	1	White	1000 µl
Ligase	001-560-304	1	Yellow	12 µl
Blunt Adapter	100-348-100	1	Yellow	100 µl
ATP low	001-394-563	1	Yellow	160 µl
Exo III	001-334-957	1	Green	12 µl
Exo VII	100-360-100	1	Green	20 µl
Sequencing Primer v2	001-560-740	1	Blue	25 µl
10X Primer Buffer v2	001-560-849	1	Blue	1000 µl
1X Elution Buffer	100-159-800	2	White	1500 µl

### Part Number

100-259-100

### Quantity

10 reactions

### Intended Use

For Research Use Only. Not for use in diagnostic procedures.

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### Storage and Handling Requirements

Product should be stored at -20°C. Refer to Sample Preparation and Sequencing Guide for additional recommendations for reagent handling.

### Shelf Life

Refer to expiration date on kit label.

### Support

For additional product and technical information, such as Safety Data Sheets (SDS) or procedures, please visit our website at [www.pacificbiosciences.com](http://www.pacificbiosciences.com) and on our customer portal at [www.pacbioportal.com](http://www.pacbioportal.com).

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