

Description

The SMRTbell® Express Template Prep Kit 2.0 contains sufficient reagents to prepare 18, 48, and 96 reactions to respectively support large-insert libraries, microbial multiplexing, and amplicon sequencing. Currently, the kit has not been optimized for preparing templates for Iso-Seq® analysis, and is not recommended for this application. The kit is designed for diffusion loading only.

Kit components include:

| Subcomponent Name | Part Number | Number | Color | Quantity (µl) |
|--------------------------|-------------|---------|--------------|---------------|
| DNA Prep Buffer | 101-653-300 | 1 tube | Gold | 140 µl |
| NAD | 101-653-400 | 1 tube | Red | 20 µl |
| Enzyme Dilution Buffer | 101-653-500 | 1 tube | Purple | 110 µl |
| Nuclease-free Water | 101-654-400 | 1 tube | White | 1000 µl |
| DNA Prep Additive | 101-653-600 | 1 tube | Light Purple | 20 µl |
| DNA Prep Enzyme | 101-653-700 | 1 tube | Blue | 20 µl |
| DNA Damage Repair Mix v2 | 101-653-800 | 1 tube | Green | 41 µl |
| End Prep Mix | 101-653-900 | 1 tube | Orange | 60 µl |
| Overhang Adapter v3 | 101-654-000 | 1 tube | Light Green | 90 µl |
| Ligation Mix | 101-654-100 | 1 tube | Yellow | 540 µl |
| Ligation Additive | 101-654-200 | 1 tube | Light Blue | 18 µl |
| Ligation Enhancer | 101-654-300 | 1 tube | Red | 18 µl |
| Sequencing Primer v4 | 101-654-600 | 1 tube | Light Blue | 18 µl |
| 10X Primer Buffer v2 | 001-560-849 | 1 tube | Blue | 1000 µl |
| 1X Elution Buffer | 100-159-800 | 3 tubes | White | 1500 µl |

Part Number

100-938-900

Quantity

18 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 frozen between -15 to -25 °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 <http://www.pacb.com/support/documentation/>

Legal

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