



# Application Consumable Bundles

Generate Highly Accurate Long-Read Sequencing Data You Can Trust



With this PacBio® Application Consumable Purchasing Guide, you can easily order the required consumables† for the Sequel® II System. Simply choose your SMRT® Sequencing Application and with the single part number place your order to get started!

Application	Name and Part Number	# of Samples	Contents and Quantities†
 <b>WHOLE GENOME SEQUENCING</b>	<b>HiFi Reads for <i>De novo</i> Assembly and Variant Detection</b> <b>Sequel II HiFi Bundle-18</b> PN: 101-893-500	18	SMRTbell Express Template Prep Kit 2.0 (PN: 100-938-900 / Qty: 1) SMRTbell Enzyme Cleanup Kit (PN: 101-746-400 / Qty: 1) Sequencing Primer v2 (PN:101-847-900 / Qty: 2) AMPure PB Beads (PN: 100-265-900 / Qty: 1) Sequel II Binding Kit 2.0 and Internal Control 1.0 (PN:101-842-900 / Qty: 1)
	<b>HiFi Reads with Ultra-Low DNA Input for <i>De novo</i> Assembly and Variant Detection</b> <b>Sequel II HiFi Ultra-Low DNA Input-18</b> PN 101-989-100	18	SMRTbell Express Template Prep Kit 2.0 (PN: 100-938-900 / Qty: 2) SMRTbell® gDNA Sample Amplification Kit (PN: 101-980-000 / Qty: 1) Sequel II Binding Kit 2.0 and Internal Control 1.0 (PN:101-842-900 / Qty: 1)
	<b><i>De novo</i> Assembly for Low DNA Input Samples</b> <b>Sequel II <i>De novo</i> Low DNA input-18x2</b> PN: 101-900-200	36 (18 runs with two ~3 Gb samples / run)	SMRTbell Express Template Prep Kit 2.0 (PN: 100-938-900 / Qty: 2) SMRTbell Enzyme Cleanup Kit (PN: 101-746-400 / Qty: 1) AMPure PB Beads (PN: 100-265-900 / Qty: 3) Barcoded Overhang Adapter Kit 8A (PN: 101-628-400 / Qty: 3) Sequel II Binding Kit 2.0 and Internal Control 1.0 (PN:101-842-900 / Qty: 1)
	<b><i>De novo</i> Assembly for Microbial Multiplexing</b> <b>Sequel II Microbial Assembly Bdle-48</b> PN: 101-900-000	48	SMRTbell Express Template Prep Kit 2.0 (PN: 100-938-900 / Qty: 1) AMPure PB Beads (PN: 100-265-900 / Qty: 3) Elution Buffer (PN: 101-633-500 / Qty: 1) Sequel II Binding Kit 2.0 and Internal Control 1.0 (PN:101-842-900 / Qty: 1)
	<b>Structural Variant Detection</b> <b>Sequel II Multiplex SV Detection Bdle-18x2</b> PN: 101-900-300	36 (18 runs with two ~3 Gb samples / run)	SMRTbell Express Template Prep Kit 2.0 (PN: 100-938-900 / Qty: 2) SMRTbell Enzyme Cleanup Kit (PN: 101-746-400 / Qty: 2) AMPure PB Beads (PN: 100-265-900 / Qty: 2) Barcoded Overhang Adapter Kit 8A (PN: 101-628-400 / Qty: 3) Sequencing Primer v2 (PN:101-847-900 / Qty: 2) Sequel II Binding Kit 2.0 and Internal Control 1.0 (PN:101-842-900 / Qty: 1)
 <b>RNA SEQUENCING</b>	<b>Iso-Seq® Method for Standard Transcript Profiling</b> <b>Sequel II Iso-Seq Express Std Bdle-18</b> PN: 101-901-700	18	SMRTbell Express Template Prep Kit 2.0 (PN: 100-938-900 / Qty: 1) Iso-Seq Express Oligo Kit (PN: 101-737-500 / Qty: 1) Elution Buffer (50 mL) (PN: 101-633-500 / Qty: 1) Sequel II Binding Kit 2.1 and Internal Control 1.0 (PN:101-843-000 / Qty: 1)
	<b>Iso-Seq Method for Long Transcript Profiling</b> <b>Sequel II Iso-Seq Express Long Bdle-18</b> PN: 101-901-800	18	SMRTbell Express Template Prep Kit 2.0 (PN: 100-938-900 / Qty: 1) Iso-Seq Express Oligo Kit (PN: 101-737-500 / Qty: 1) Elution Buffer (50 mL) (PN: 101-633-500 / Qty: 1) Sequel II Binding Kit 2.0 and Internal Control 1.0 (PN:101-842-900 / Qty: 1)

Application	Name and Part Number	# of Samples	Contents and Quantities†	
 <b>TARGETED SEQUENCING</b>	<b>Amplicons for &lt;3kb with Barcoded Primers</b>	<b>Sequel II Amplicon&lt;3kb Brcd Primr-18x384</b> PN: 101-901-000	18x384 (18 runs with 384 samples / run)  SMRTbell Express Template Prep Kit 2.0 (PN: 100-938-900 / Qty: 1) AMPure PB Beads (PN: 100-265-900 / Qty: 1) Sequel II Binding Kit 2.1 and Internal Control 1.0 (PN:101-843-000 / Qty: 1)	
	<b>Amplicons for &lt;3kb with Barcoded Universal Primers</b>	<b>Sequel II Amplicon&lt;3kb Brcd Unv Pr-18x96</b> PN: 101-901-100	18x96 (18 runs with 96 samples / run)  SMRTbell Express Template Prep Kit 2.0 (PN: 100-938-900 / Qty: 1) AMPure PB Beads (PN: 100-265-900 / Qty: 1) Barcoded Universal F/R Primers Plate -96 v2 (PN:101-629-100 / Qty 18) Sequel II Binding Kit 2.1 and Internal Control 1.0 (PN:101-843-000 / Qty: 1)	
	<b>Amplicons for &lt;3kb with Barcoded Adapters‡</b>	<b>Sequel II Amplicon&lt;3kb Brcd Adapt-96</b> PN: 101-901-200	1x96 (1 run with 96 samples / run)	SMRTbell Express Template Prep Kit 2.0 (PN: 100-938-900 / Qty: 1) AMPure PB Beads (PN: 100-265-900 / Qty: 1) Sequel II Binding Kit 2.1 and Internal Control 1.0 (PN:101-843-000 / Qty: 1)
	<b>Amplicons for &gt;3kb with Barcoded Primers</b>	<b>Sequel II Amplicon&gt;3kb Brcd Primr-18x384</b> PN: 101-901-300	18x384 (18 runs with 384 samples / run)	SMRTbell Express Template Prep Kit 2.0 (PN: 100-938-900 / Qty: 1) AMPure PB Beads (PN: 100-265-900 / Qty: 1) Sequel II Binding Kit 2.0 and Internal Control 1.0 (PN:101-842-900 / Qty: 1)
	<b>Amplicons for &gt;3kb with Barcoded Universal Primers</b>	<b>Sequel II Amplicon&gt;3kb Brcd Unv Pr-18x96</b> PN: 101-901-400	18x96 (18 runs with 96 samples / run)	SMRTbell Express Template Prep Kit 2.0 (PN: 100-938-900 / Qty: 1) AMPure PB Beads (PN: 100-265-900 / Qty: 1) Barcoded Universal F/R Primers Plate -96 v2 (PN:101-629-100 / Qty 18) Sequel II Binding Kit 2.0 and Internal Control 1.0 (PN:101-842-900 / Qty: 1)
	<b>Amplicons for &gt;3kb with Barcoded Adapters‡</b>	<b>Sequel II Amplicon&gt;3kb Brcd Adapt-96</b> PN: 101-901-500	1x96 (1 run with 96 samples / run)	SMRTbell Express Template Prep Kit 2.0 (PN: 100-938-900 / Qty: 1) AMPure PB Beads (PN: 100-265-900 / Qty: 1) Sequel II Binding Kit 2.0 and Internal Control 1.0 (PN:101-842-900 / Qty: 1)
	<b>No-Amp Targeted Sequencing</b>	<b>Sequel II No-Amp Target Seq Bdle-2x20</b> PN: 101-902-200	2x20 (2 runs with 20 samples / run)	No-Amp Accessory Kit (PN 101-788-900 / Qty: 1) AMPure PB Beads (PN: 100-265-900 / Qty: 3) Elution Buffer (PN: 101-633-500 / Qty: 1) Sequel II Binding Kit 2.0 and Internal Control 1.0 (PN:101-842-900 / Qty: 1).
 <b>COMPLEX POPULATIONS</b>	<b>Shotgun Metagenomics Assembly</b>	<b>Sequel II Shotgun Metagenomics Bdle-18</b> PN: 101-900-400	18  SMRTbell Express Template Prep Kit 2.0 (PN: 100-938-900 / Qty: 1) SMRTbell Enzyme Cleanup Kit (PN: 101-746-400 / Qty: 1) Sequencing Primer V2 (PN:101-847-900 / Qty: 2) AMPure PB Beads (PN: 100-265-900 / Qty: 2) Elution Buffer (PN: 101-633-500 / Qty: 1) Sequel II Binding Kit 2.0 and Internal Control 1.0 (PN:101-842-900 / Qty: 1)	
	<b>Shotgun Metagenomics Profiling</b>	<b>Sequel II Shotgun Metagenomc Profiling-8x4</b> PN: 101-918-100	8x4 (8 runs with 4 samples / run)	SMRTbell Express Template Prep Kit 2.0 (PN: 100-938-900 / Qty: 2) SMRTbell Enzyme Cleanup Kit (PN: 101-746-400 / Qty: 1) Sequencing Primer v2 (PN:101-847-900 / Qty: 1) Barcoded Overhang Adapter Kit 8A (PN: 101-628-400 / Qty: 2) AMPure PB Beads (PN: 100-265-900 / Qty: 2) Elution Buffer (PN: 101-633-500 / Qty: 1) Sequel II Binding Kit 2.0 and Internal Control 1.0 (PN:101-842-900 / Qty: 1)
	<b>Full-Length 16S rRNA Sequencing</b>	<b>Sequel II 16S rRNA Sequencing Bdle-18x96</b> PN: 101-900-600	18x96 (18 runs with a 96 samples / run)	SMRTbell Express Template Prep Kit 2.0 (PN: 100-938-900 / Qty: 1) AMPure PB Beads (PN: 100-265-900 / Qty: 1) Sequel II Binding Kit 2.1 and Internal Control 1.0 (PN:101-843-000 / Qty: 1)

† For Barcoded Adapter bundles, PacBio recommends customer purchase barcoded adapters directly from an oligonucleotide manufacturing company. PacBio does offer a solution for multiplexing levels up to 16-plex in increments of 8 barcoded adapters [Barcoded Overhang Adapter Kit 8A (PN: 101-628-400) and Barcoded Overhang Adapter Kit 8B (PN: 101-628-500)].

**Learn more about application-specific workflows at [pacb.com/applications](https://pacb.com/applications)**  
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