

# HighPrep PCR PB

Cleanup and Size Selection for Long Read Sequencing



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## Enhanced Direct Replacement of Competitor PB

### Description

HighPrep PCR PB is a paramagnetic bead-based kit specifically designed for SMRT sequencing workflow. It's used for DNA cleanup and size selection of SMRTbell® libraries.

HighPrep PCR PB is free of reagents that can interfere with polymerase activity during sequencing, therefore, templates bind properly to the polymerase. This product is designed for both manual & fully automated purification of DNA & sequencing products.

### Overall Benefits

- Cost effective. Save at least 40% or more when compared with the competitor
- Direct replacement of competitor product, no change in protocol
- Depletes DNA fragments less than 5 kb
- Concentration of DNA from highly deluted samples
- Efficiently removes unincorporated dNTPS, primer dimers, excess primers, salts, and other impurities from amplicons
- Purifies starting DNA material with low purity (low A260/A230) to remove contaminants
- Amenable to automation (Kingfisher™ Flex script ready)

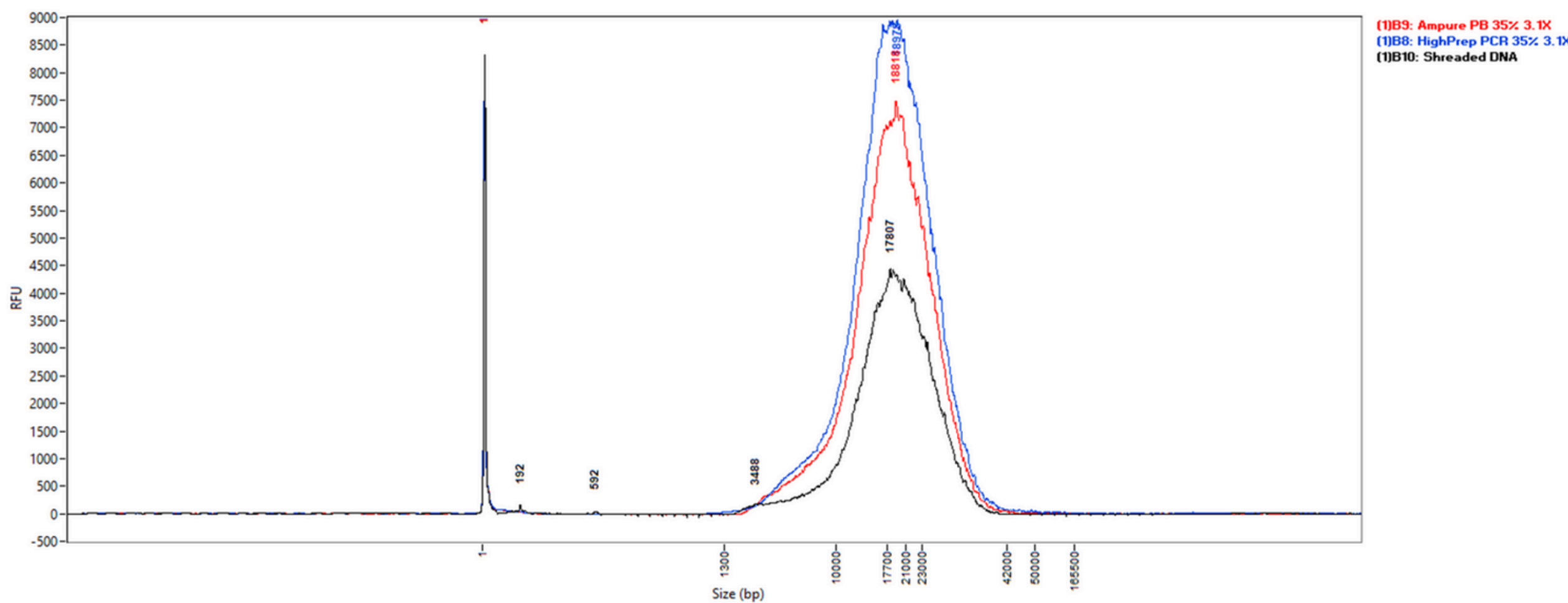
### Applications

- SMRTbell® library cleanup & size selection



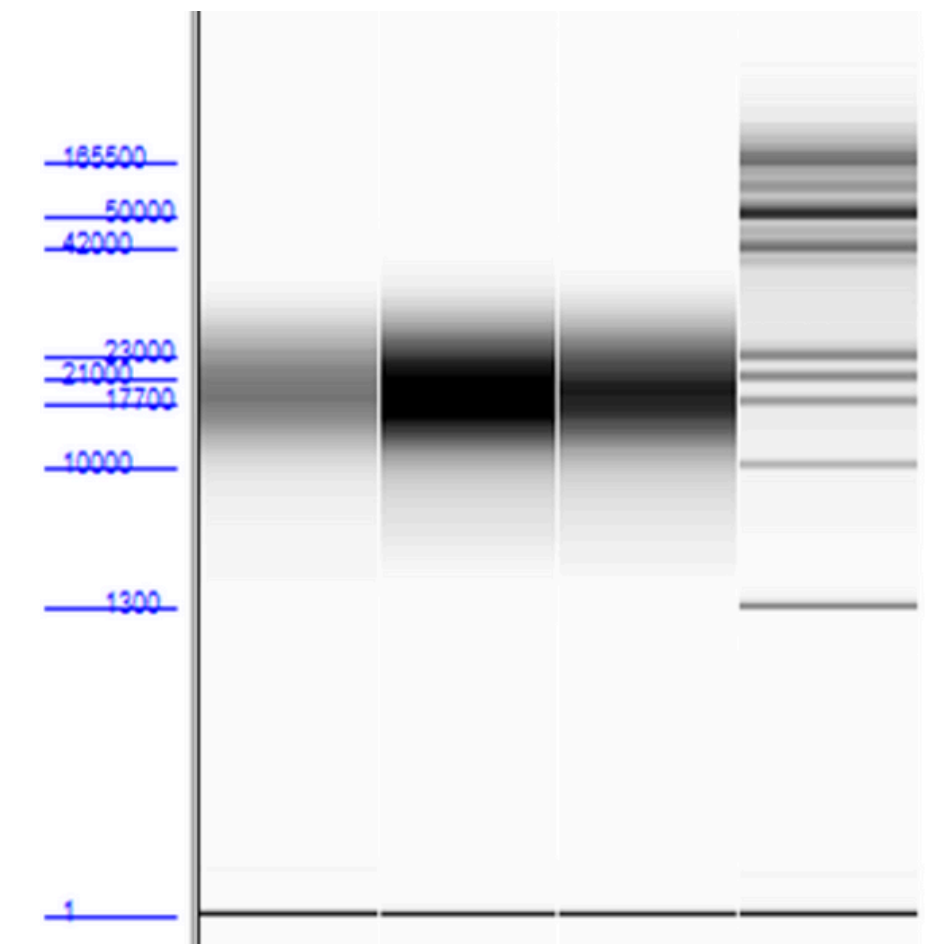
## Comparative Analysis of HighPrep PCR PB vs. Competitor PB

Similar Performance in Recovery of > 10 kb Fragments



Femtopulse analysis: Sheared gDNA (concentration of 10 ng/μL) following fragment selection with bead ratio of 3.1x.

(1) B10 Shreaded DNA  
 (1) B8 HighPrep PCR PB 3.1X  
 (1) B9 Competitor PB  
 (1) B12 Ladder



### Ordering information

HP PCR PB comes in two sizes: 5 mL and 50 mL

Catalog Number	Product
PB-60005	HighPrep PCR PB (5mL)
PB-60050	HighPrep PCR PB (50mL)

### HighPrep PCR PB Performance vs. AMPure PB

DNA cleanup and Library Selection

Sample	Bases	Reads	Mean	N50
HighPrep PCR PB	12,042,073,795	764,841	<u>15,744.5</u>	<u>16,482</u>
AMPure PB	14,775,547,973	1,312,761	11,255.3	13,655

HiFi Read Statistics: Higher **N50** means Longer reads than AMPure PB

Sample	Mean per read GC content	SD per Read GC Content
HighPrep PCR PB	40.36%	5.6%
AMPure PB clean-up & library selection	40.29%	5.52%

GC Bias Analysis

Get your Free Sample!

**HighPrep PCR PB allows better purification of fragments > 10 kb**

→ Request your sample today at: [www.magbiogenomics.com/request-sample](http://www.magbiogenomics.com/request-sample)

→ Or place an order directly at: [orders@magbiogenomics.com](mailto:orders@magbiogenomics.com)

For additional details about the HighPrep PCR PB product, you can visit our website: [www.magbiogenomics.com/Highprep-PCR-PB](http://www.magbiogenomics.com/Highprep-PCR-PB)