

HighPrep PCR PB

Cleanup and Size Selection for Long Read Sequencing

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)

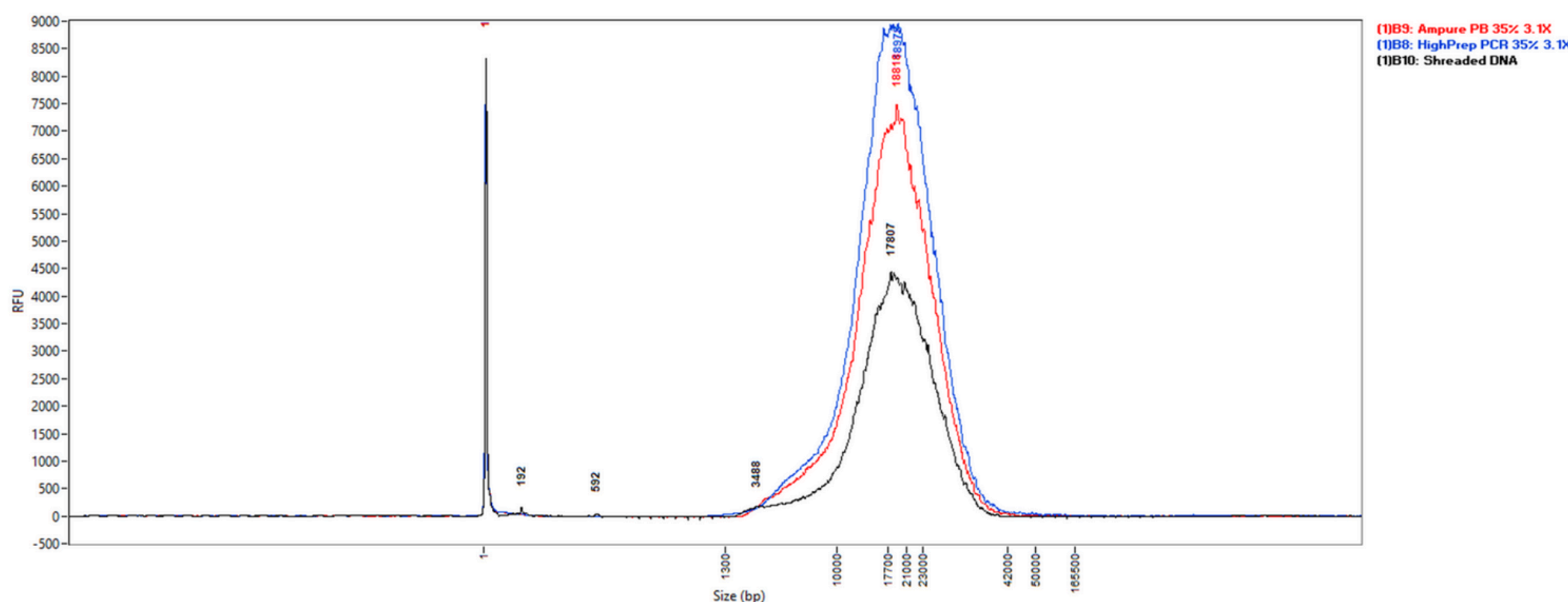
Applications

- SMRTbell® library cleanup & size selection



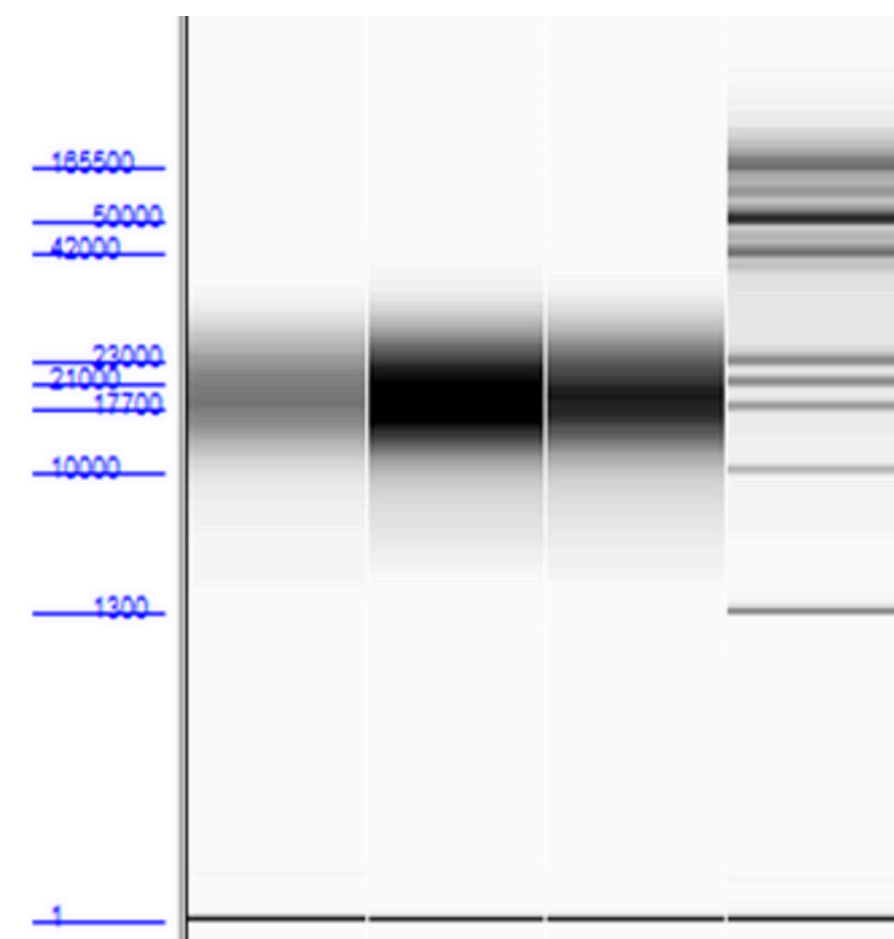
Comparative Analysis of HighPrep PCR PB vs. Competitor PB

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

→ Or place an order directly at: orders@magbiogenomics.com

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