

# HighPrep™ PCR

Magnetic bead-based clean-up for NGS library construction and post PCR

Hassle free replacement of competitor's product for just a fraction of the cost.

## Description

MagBio's HighPrep™ PCR post PCR clean up system is based on paramagnetic bead technology, designed for an efficient purification of PCR amplicons. The purification consists of removal of salts, primers, primer-dimers, dNTPs, as DNA fragments are selectively bound to the magnetic beads particles; and highly purified DNA is eluted with low salt elution buffer or water and can be used directly for downstream applications. HighPrep™ PCR can be used for manual procedure as well as guidelines for adapting it to automated liquid handling workstations currently on the market.

## Overall Benefits

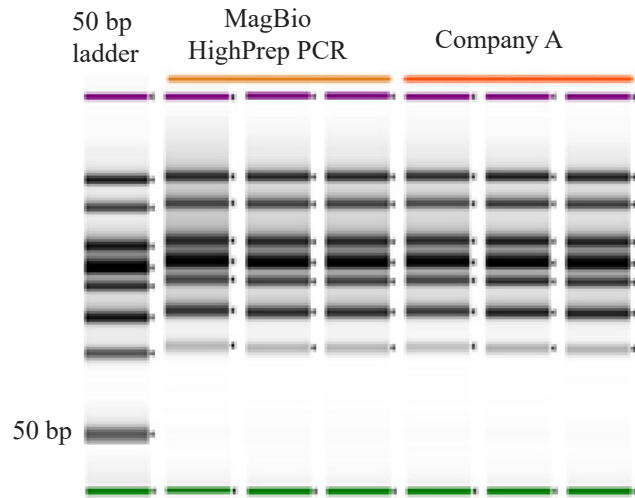
- High recovery of amplicons greater than 100 bp
- Stable and high recovery of PCR products post-cleanup
- Efficiently removes unincorporated dNTPs, primers, primer dimers and other contaminants
- Efficient recovery of double stranded and single stranded DNA templates
- No centrifugation/filtration steps
- Can be use in single tube, 96, or 384 well format
- Scalable - can be adapted to most standard liquid handling robots



Application: PCR purification

## Downstream Application:

- PCR
- Sanger Sequencing
- Library Prep Cleanup (Next Generation)
- Mutation detection
- Genotyping (SNP detection)
- Cloning
- Primer walking



## Ordering Information

Cat No.	Product	Preps
AC-60005	HighPrep PCR (5 mL)	278 <sup>1</sup>   139 <sup>2</sup>
AC-60050	HighPrep PCR (50 mL)	2,778 <sup>1</sup>   1,389 <sup>2</sup>
AC-60250	HighPrep PCR (250 mL)	13,890 <sup>1</sup>   6,945 <sup>2</sup>
AC-60500	HighPrep PCR (500 mL)	27,780 <sup>1</sup>   13,890 <sup>2</sup>

<sup>1</sup> Based on typical 10 µl reaction volume.

<sup>2</sup> Based on typical 20 µl reaction volume.

## High recovery of amplicons

Figure shows PCR products over 50 bp recovered from 10 µl PCR reaction. Data were analyzed on an Agilent TapeStation 2200.



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