

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.

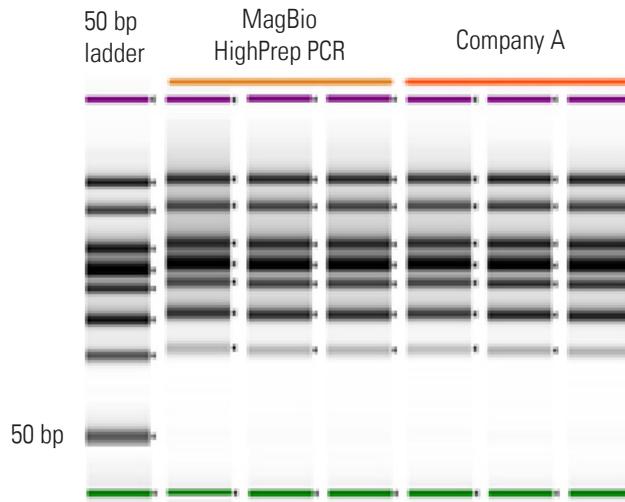
Overall Benefits

- 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



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.

Ordering Information

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

¹ Based on typical 10 µl reaction volume.

² Based on typical 20 µl reaction volume.



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