

HighPrep PCR Performance Data

PCR Amplicon Cleanup

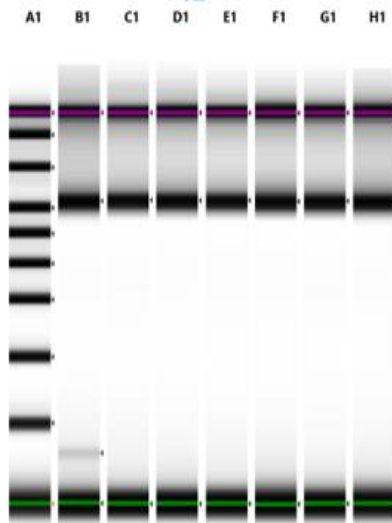


Figure 1: PCR product cleanup – removal of primer dimers. Lane B1: Input amplicon, C1-H1: Post cleanup-amplicons. HighPrep PCR has consistent performance as shown by removal of <50 bp primer dimer across all 6 replicates.

DNA Size Selection Double Sided Selection-Different Fragment Sizes

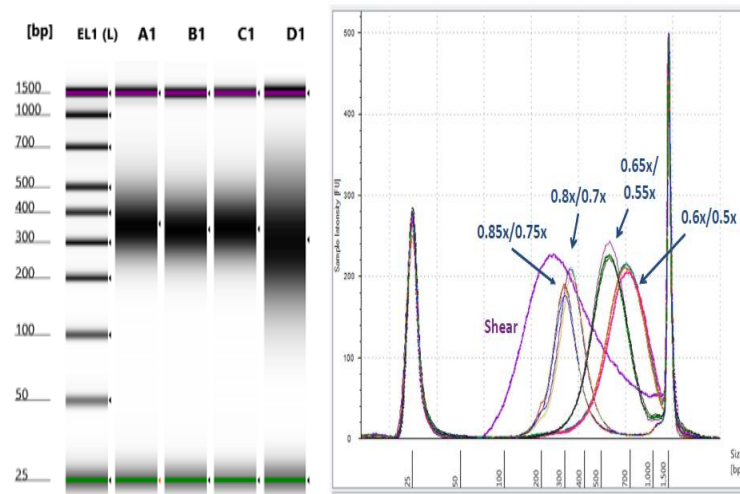


Figure 2: Double sided size selection. Sheared gDNA fragment analysis by TapeStation 4150 (L: DNA ladder, A1: 200-400 bp selection-KingFisher™ Flex protocol, B1: 200-400 bp selection-KingFisher™ Flex protocol, C1: 200-400 bp selection-KingFisher™ Flex protocol, D1: 200-400 bp selection-Manual protocol).

HighPrep PCR Stability PCR Product Recovery after Clean-up

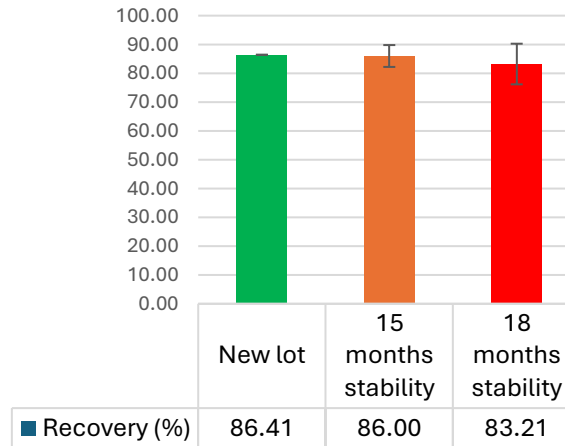


Figure 3: Stability assessment of HighPrep PCR across different production lots; new, 15 months, and 18 months. HighPrep PCR demonstrated consistency in performance over time.

Conclusion

- **Effective PCR Cleanup:** Efficient removal of primer dimers (<50 bp) across all replicates - ensuring clean and high-quality amplicons. High reproducibility - consistent amplicon cleanup results.
- **Precise Double-Sided Size Selection:** Accurate selection DNA fragments of different sizes (e.g., 200-400 bp) - flexibility for various genomic applications.
- **Long-Term Stability:** Consistent performance across multiple production lots - stability maintained after 18 months.