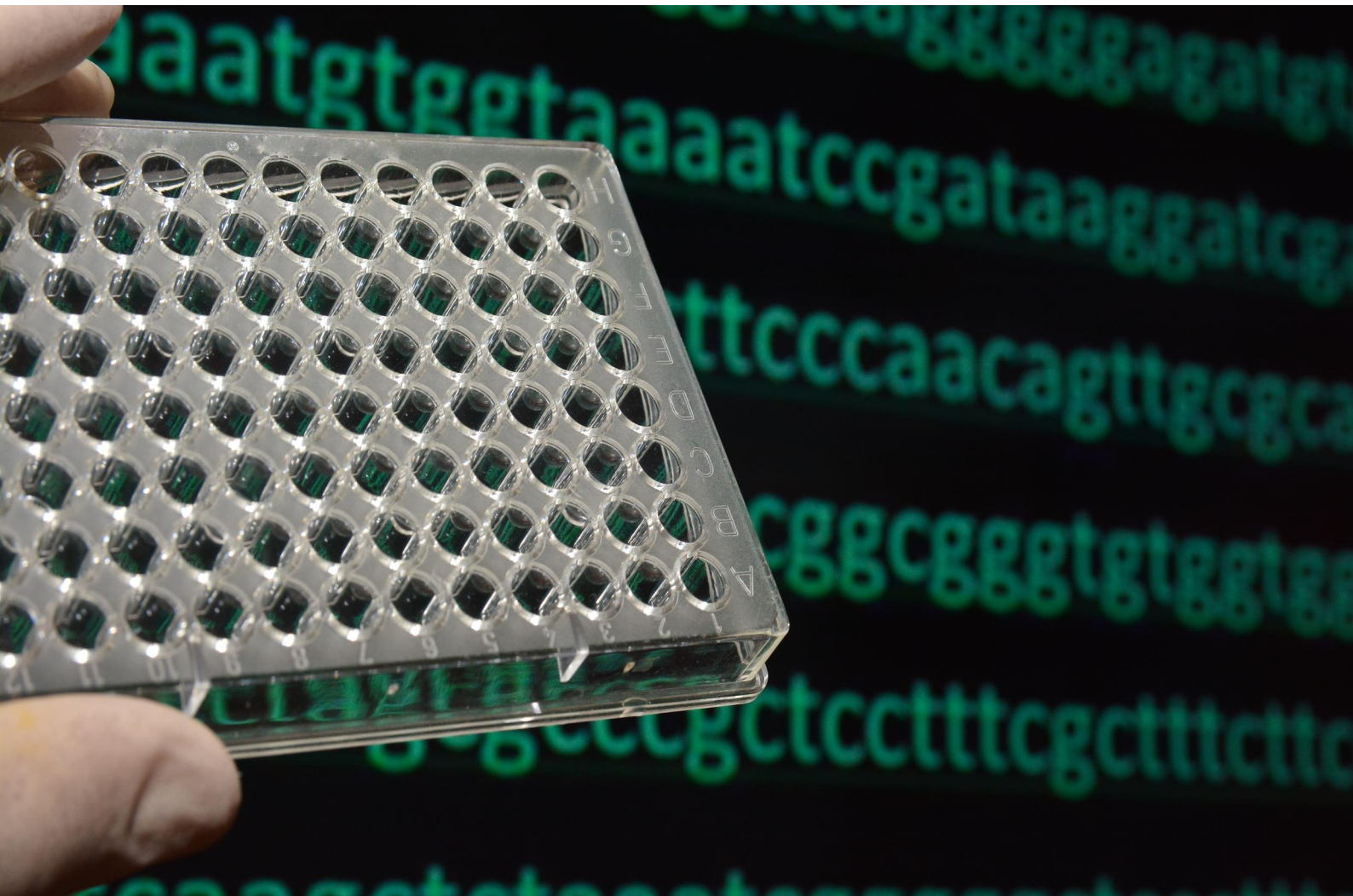


— magtivio —



MagSi-NGS^{PREP} Plus

*Size selection and clean-up
in NGS library preparation*

Size selection and clean-up in NGS library preparation

Magnetic bead-based **MagSi-NGS^{PREP} Plus** provides a convenient tool for ultra-fast and efficient purification and size selection of DNA products. The kit is optimized for use on Biomek[®] Laboratory Automation workstations and Hamilton[®] Microlab STARline. **MagSi-NGS^{PREP} Plus** allows either non-selective binding, or size-targeted binding of double-stranded DNA fragments ranging from 80 – 1000 bp with specific reagent volume to sample volume ratio's. By increasing the volume of **MagSi-NGS^{PREP} Plus**, the efficiency of binding smaller fragments increases. This enables the user to selectively keep or discard undesired fragment sizes. **MagSi-NGS^{PREP} Plus'** flexible protocols are easy to automate for high-throughput processing.

High quality results

- Size selective DNA purification;
Based on proven SPRI[®] technology
- High recovery and purity of PCR products
- Excellent removal of enzymes, primers, oligonucleotides, polymerases, salts and other contaminants
- Fragment size selection can be tuned between 100 and 1000 base pairs
- Guarantees consistent sequencing results

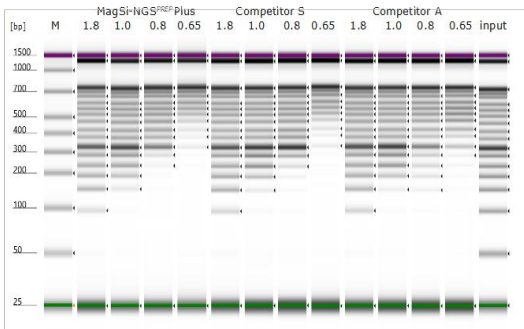
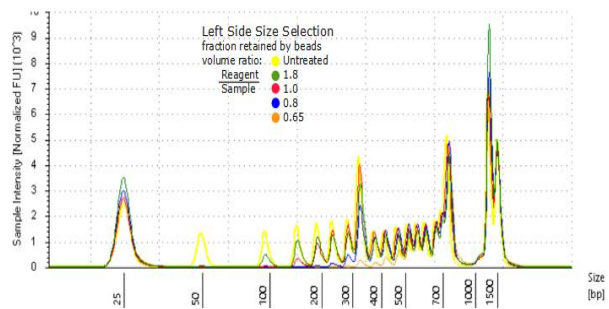


Fig 1 and 2: Left Side Size Selection fraction retained by beads with different reagent-to-sample volume ratios on TapeStation ScreenTape.

Simplify your routine

- One product for all clean-up and size selection steps in the library preparation work-flow
- Simple bind-wash-elute procedure with short process time
- Easy adjustable for clean-up or size selection using specific reagent-to-sample ratios
- Manual and automated use
- Compatible with standard protocols of common library preparation kits



Easy to automate

- Identical protocol as competitor magnetic beads Agencourt AMPure XP[®]
- Optimized for use on Biomek[®] Laboratory Automation Workstations and Hamilton[®] Microlab STARline
- Compatible with many different automated liquid handling systems (e.g. PerkinElmer[®], Agilent Technologies[®])
- Optimized separation performance using 96 and 384 well plate magnetic separators

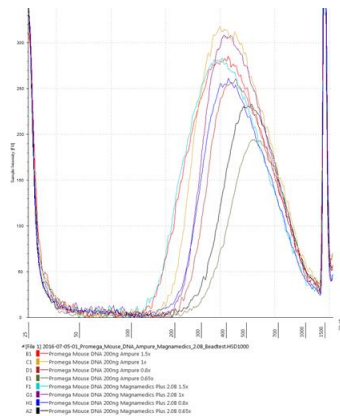


Fig 3: DNA size distribution curves after left-sided size selection showing a direct comparison between **MagSi-NGS^{PREP} Plus** and **AMPure[®] XP**. Four different bead-to-sample ratios were used.

| Art. No. | Product | Volume |
|--------------------|--|--------|
| MDKT00010005 | MagSi-NGS ^{PREP} Plus | 5 mL |
| MDKT00010075 | MagSi-NGS ^{PREP} Plus | 75 mL |
| MDKT00010500 | MagSi-NGS ^{PREP} Plus | 500 mL |
| MD90001 / MDMG0001 | MM-Separator M12 + 12 / MM-Separator M12 + 12 P for manual use | each |
| MD90002 / MDMG0002 | MM-Separator M96 / MM-Separator M96 P for manual use | each |
| MDMG0005 | MM-Separator 96 PCR for automated processing | each |
| MDMG0006 | MM-Separator 384 PCR for automated processing | each |

