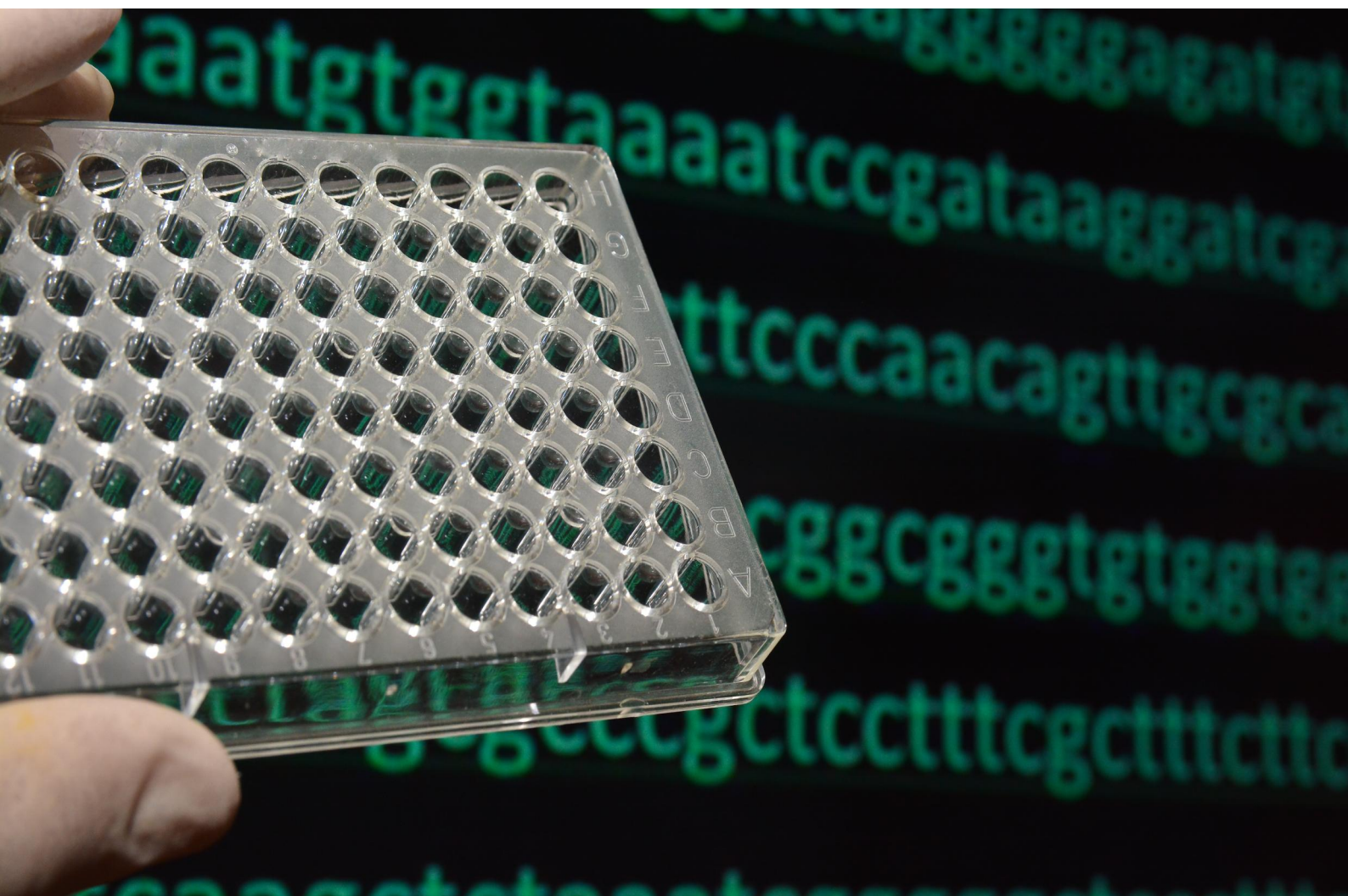


— magtivio —



## MagSi-NGS<sup>PREP</sup> Plus

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

# Size selection and clean-up in NGS library preparation

Magnetic bead-based **MagSi-NGS<sup>PREP</sup> 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<sup>®</sup> Laboratory Automation workstations and Hamilton<sup>®</sup> Microlab STARline. **MagSi-NGS<sup>PREP</sup> 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<sup>PREP</sup> Plus**, the efficiency of binding smaller fragments increases. This enables the user to selectively keep or discard undesired fragment sizes. **MagSi-NGS<sup>PREP</sup> Plus'** flexible protocols are easy to automate for high-throughput processing.

## High quality results

- Size selective DNA purification;  
Based on proven SPRI<sup>®</sup> 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

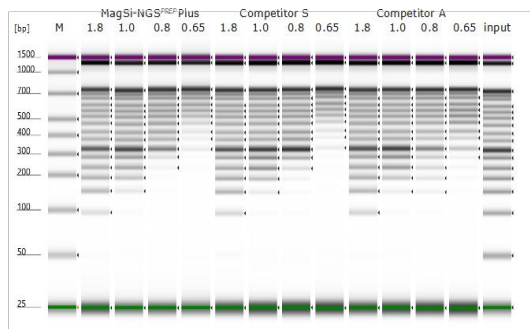
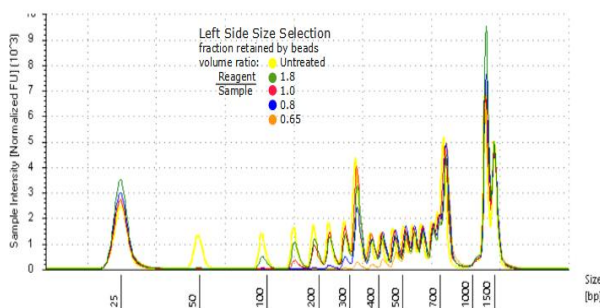


Fig 1 and 2: Left Side Size Selection fraction retained by beads with different reagent-to-sample volume ratios on TapeStation ScreenTape.

## 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<sup>®</sup>
- Optimized for use on Biomek<sup>®</sup> Laboratory Automation Workstations and Hamilton<sup>®</sup> Microlab STARline
- Compatible with many different automated liquid handling systems (e.g. PerkinElmer<sup>®</sup>, Agilent Technologies<sup>®</sup>)
- Optimized separation performance using 96 and 384 well plate magnetic separators

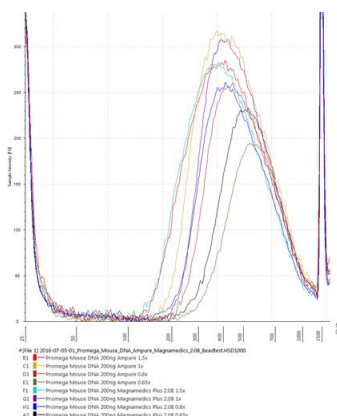


Fig 3: DNA size distribution curves after left-sided size selection showing a direct comparison between **MagSi-NGS<sup>PREP</sup> Plus** and **AMPure<sup>®</sup> XP**. Four different bead-to-sample ratios were used.

Art. No.	Product	Volume
MDKT00010005	MagSi-NGS <sup>PREP</sup> Plus	5 mL
MDKT00010075	MagSi-NGS <sup>PREP</sup> Plus	75 mL
MDKT00010500	MagSi-NGS <sup>PREP</sup> 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

