MagSi-NGS<sup>PREP</sup> Plus
A Simple and Quick Way to Consistent NGS Results
Magnetic bead-based **MagSi-NGS**\textsuperscript{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\textsuperscript{®} Laboratory Automation workstations and Hamilton\textsuperscript{®} Microlab STARLine. **MagSi-NGS**\textsuperscript{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**\textsuperscript{PREP Plus}, the efficiency of binding smaller fragments increases. This enables the user to selectively keep or discard undesired fragment sizes. **MagSi-NGS**\textsuperscript{PREP Plus}’ flexible protocols are easy to automate for high-throughput processing.

**High quality results**
- Size selective DNA purification; Based on proven SPRI\textsuperscript{®} 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

**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
- Protocol easily 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\textsuperscript{®}
- Optimized for use on Biomek\textsuperscript{®} Laboratory Automation Workstations and Hamilton\textsuperscript{®} Microlab STARLine
- Compatible with many different automated liquid handling systems (e.g. PerkinElmer\textsuperscript{®}, Agilent Technologies\textsuperscript{®})
- Optimized separation performance using 96 and 384 well plate magnetic separators

**High quality results**

**Simplify your routine**

**Easy to automate**

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

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Fig 1 and 2. Left-sided SPRI\textsuperscript{®} fraction retained by beads with different reagent-to-sample volume ratios in gel electrophoresis and bioanalyzer measurements.

Fig 3. Magnetic Separators for 96 and 384 well PCR plates for automated processing (MDMG0005 and MDMG0006)