



AUTOMATED NGS LIBRARY PREP YOU CAN TRUST

PRE-CONFIGURED APPLICATION- BASED WORKSTATIONS FOR AUTOMATING NGS PREP

Reliable sequencing starts with consistent, high quality preparation, and that's where automation makes a meaningful difference. Library prep is often tedious, stressful, and prone to variability, especially during magnetic bead-based cleanup. **PIPETMAX® 268 NGS** and **PIPETMAX® 278 NGS** simplify these steps by automating the magnetic bead cleanup used in **AMPure® XP** bead-based workflows, helping you build consistent, sequencing-ready libraries every time.

Flexibility and ease of use are built into the workflow with example magnetic bead cleanup protocol you can tailor to your SOPs, supported by intuitive, no-coding software that any scientist can operate. Optional heater, shaker, and chiller modules give your lab the temperature and mixing control needed during critical ligation, resuspension, and enzymatic steps without adding complexity.

With Gilson, you will never automate alone. You get more than an instrument, you get real scientists who have run these workflows themselves, ready to help configure, optimize, and scale your library prep. Choose Gilson when your sequencing results depend on prep you can trust.

KEY BENEFITS

- Includes an **AMPure®** clean up method with adjustable parameters to match your SOPs
- **Automatic built-in tip intelligence** to optimize tip usage and reduce unnecessary consumption
- **Standard PIPETMAN® DIAMOND Tips**; no costly proprietary automation tips
- **Intuitive, no-coding software** designed for scientists of all experience levels
- **Bonus software wizards** for qPCR and normalization plate preparation



pipetmax®
268



pipetmax®
278

THIS APPLICATION-CONFIGURED SYSTEM INCLUDES:

- PIPETMAX® 268 or PIPETMAX® 278 configured for magnetic bead workflows
- Magnetic bead rack
- Includes an **AMPure® XP** cleanup method
- Optional heater/shaker/chiller support
- NGS-ready bed layout

TECHNICAL SPECIFICATIONS

	PIPETMAX 268	PIPETMAX 278
Volume Range	1-200 µL	1-200 µL
Bed Capacity	9 positions	16 positions
Dimensions with Riser (W × D × H)	54.4 x 65.5 x 69.6 cm	95.0 x 68.4 x 74.4 cm
Weight with Riser	33.52 kg	73 kg
Tip Type	PIPETMAN® DIAMOND Tips	PIPETMAN® DIAMOND Tips
Target Throughput	Low throughput	High throughput
Pipette Heads	Two interchangeable heads (MAX8x20, MAX8x200)	Two interchangeable heads (MAX8x20, MAX8x200)
Riser	Off-bed tip disposal	Off-bed tip disposal
Rack Type	Magnetic bead rack	Magnetic bead rack

Volumetric Specification for Transfers

MAXIMUM PERMISSIBLE ERRORS

Pipette Head	Volume of Distilled Water	Systematic Error (µL)	Random Error (µL)	Systematic Error (%)	Random Error (%)
MAX8X20	1 µL	±0.08	≤0.05	8.00	5.00
	2 µL	±0.09	≤0.06	4.50	3.00
	10 µL	±0.15	≤0.10	1.50	1.00
	20 µL	±0.25	≤0.12	1.25	0.60
MAX8X200	20 µL	±0.50	≤0.16	2.50	0.80
	100 µL	±1.00	≤0.30	1.00	0.30
	200 µL	±2.00	≤0.50	1.00	0.25
MAX4X1200	50 µL	±4.00	≤0.70	8.00	1.40
	120 µL	±4.00	≤0.70	3.33	0.58
	600 µL	±6.00	≤1.50	1.00	0.25
	1200 µL	±9.60	≤1.80	0.80	0.15

NGS SYSTEM INCLUDES:

- Two interchangeable pipette heads
- Tip reload blocks
- Tube racks
- Underbed tip disposal unit
- Magnetic bead rack
- TRILUTION® micro Software
- Tip starter pack

OPTIONAL ACCESSORIES

PIPETMAX 268 NGS	PIPETMAX 278 NGS
Interchangeable head MAX4x1200 (1200 µL)	Interchangeable head MAX4x1200 (1200 µL)
Heater/shaker	Heater/chiller/shaker option
PIPETMAX 268 UV/HEPA module kit	PIPETMAX 278 UV/HEPA module kit