



# BIOASSAY AUTOMATION THAT ACCELERATES DISCOVERY

## PRE-CONFIGURED APPLICATION- BASED WORKSTATIONS FOR AUTOMATING YOUR BIOASSAYS

Reliable bioassays start with precise, low-volume pipetting, something that's difficult to achieve by hand. PIPETMAX® 268 Bioassay and PIPETMAX® 278 Bioassay systems automate ELISAs, dose-response curves, IC<sub>50</sub> assays, and 96-/384-well workflows to reduce variability and deliver more reproducible data with less hands-on time.

Standard PIPETMAN® DIAMOND Tips and automatic built-in tip intelligence optimize tip selection and usage depending on your protocol. This efficiency helps keep consumable costs low while maintaining the precision your assays require. With walk-away setup and flexible programming, your team can run more plates and focus on interpreting results, not preparing them.

Plus, you're never doing it alone. Real Gilson scientists provide personalized training and workflow optimization so your assay automation performs reliably from day one and continues to scale with your research.

## KEY BENEFITS

- Example protocols included to help you start quickly
- Accurate low-volume dispensing that is difficult to achieve reproducibly manually
- Built-in tip intelligence optimizes tip usage to maintain speed and reduce consumable costs
- Uses standard PIPETMAN® DIAMOND Tips; no proprietary automation tips
- Optional heater, shaker, and chiller modules for improved mixing and temperature control
- Personalized support from real Gilson scientists for configuration, optimization, and scale-up



pipetmax®  
268



pipetmax®  
278

### THIS APPLICATION-CONFIGURED SYSTEM INCLUDES:

- PIPETMAX® 268 or PIPETMAX® 278 optimized for 96- and 384-well assays
- Low-volume pipetting configuration
- Example bioassay protocol
- qPCR and Normalization software wizard

## TECHNICAL SPECIFICATIONS

	PIPETMAX 268	PIPETMAX 278
Volume Range	1-200 µL	1-200 µL
Bed Capacity	9 positions	16 positions
Dimensions (W × D × H)	54.4 x 65.5 x 53.1 cm	95 x 68.4 x 58 cm
Weight	24.9 kg	68 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)
Software	TRILUTION® micro Software	TRILUTION® micro Software

### 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
	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

### BIOASSAY SYSTEM INCLUDES:

- Two interchangeable pipette heads
- Tip reload blocks
- Selection of tube racks
- TRILUTION® micro Software
- Tip starter pack

## OPTIONAL ACCESSORIES

PIPETMAX 268 BIOASSAY	PIPETMAX 278 BIOASSAY
PIPETMAX 268 Riser off-bed tip disposal	PIPETMAX 278 Riser off-bed tip disposal
Magnetic bead rack	Magnetic bead rack
Heater/Shaker	Heater/Shaker/Chiller
PIPETMAX 268 UV/HEPA module kit	PIPETMAX 278 UV/HEPA module kit
Interchangeable head MAX4x1200 (1200 µL)	Interchangeable head MAX4x1200 (1200 µL)
Protocol Builder Software	Protocol Builder Software