

platemaster®

MANUAL 96-CHANNEL PIPETTING

- | Fill 96-well plates in less than 10 seconds
- | Fill 384-well plates in less than one minute
- | Expedite your workflow, minimize costs



MICROPLATE-BASED APPLICATIONS RECOMMENDED FOR PLATEMASTER®

PCR/qPCR	Plate transfer.
ELISA	Simultaneous processing of nearly all reaction steps in microtiter plates (coating, starting, stopping, washing, etc.).
Cell culture	Addition and removal of culture media, and plate replication.
Drug compound screening	Addition of cells, biomolecules, and compounds to 96- and 384- well microplates.
Crystallography	Drop-wise addition of solutions.
Enhancement of existing automation	Assay development and adaptation to 96-channel systems, back-up solutions for maintenance, and downtime.



MODEL	PART NUMBER	VOLUME RANGE	VOLUME (μL)	MAXIMUM PERMISSIBLE ERRORS			
				GILSON		ISO 8655-5	
				SYSTEMATIC ERROR (mL)	RANDOM ERROR (mL)	SYSTEMATIC ERROR (mL)	RANDOM ERROR (mL)
PLATEMASTER® P20	F110761	0.5 μL – 20 μL (volume can be adjusted in 0.1 μL increments)	1	±0.12	≤ 0.10	±0.40	≤ 0.20
			10	±0.12	≤ 0.10	±0.40	≤ 0.20
			20	±0.20	≤ 0.18	±0.40	≤ 0.20
			2	±0.12	≤ 0.15	±8.0	≤ 3.0
PLATEMASTER® P220	F110762	2 μL – 220 μL (volume can be adjusted in 1 μL increments)	5	±0.25	≤ 0.175	±8.0	≤ 3.0
			20	±0.40	≤ 0.30	±8.0	≤ 3.0
			100	±1.0	≤ 0.60	±8.0	≤ 3.0
			200	±1.6	≤ 0.80	±8.0	≤ 3.0
			220	±1.8	≤ 0.80	±8.0	≤ 3.0

PART NUMBER	PLATEMASTER® ACCESSORIES
F1077602	384-well adapter, positioned done by wheel.
F1077603	384-well adapter, positioned done by hand.
F1077604	Alu-heater block for PLATEMASTER®, 96 x 0.2 mL, for PCR tubes, stripes & PCR plates Ø 7.8 mm
F1077605	Pipetting head height adjusters (2 units)
F1077606	Lubrication box of O-rings PLATEMASTER®

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