

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	
				SYSTEMATIC ERROR (μL)	RANDOM ERROR (μL)	SYSTEMATIC ERROR (μL)	RANDOM ERROR (μL)
PLATEMASTER® P20	76324-776	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
PLATEMASTER® P220	76324-778	2 μL — 220 μL (volume can be adjusted in 1 μL increments)	2	±0.12	≤ 0.15	±8.0	≤ 3.0
			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
76324-780	384-well adapter, positioned done by wheel.
76324-782	Alu-heater block for PLATEMASTER®, 96 x 0.2 mL, for PCR tubes, stripes & PCR plates Ø 7.8 mm
76324-790	Pipetting head height adjusters (2 units)
76324-792	Lubrication box of O-rings PLATEMASTER®





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