

Example of microplate based applications recommended for PLATEMASTER

PCR/q-PCR	Pipetting and providing master mixes.
ELISA	Simultaneous processing of nearly all reaction steps in microliter plates (coating, starting, stopping, washing, etc...)
Cell culture	Addition and removal of culture media, plate replication.
Cell-based assay	Addition of control, culture media and compounds.
Cell culture set-up	Creation of mother-daughter plates in seconds.
Drug compound screening	Adding cells, biomolecules and compounds to 96/384- well plates.
Crystallography	Drop-wise addition of solutions.
Expression tests	Plate replication.
Enhancement of existing automation	Assay development and adaptation to 96-channel systems, back-up solution for maintenance and downtime.
Standard enzymatic assays	Pipetting enzyme, buffer and substrate into plates.
Sequencing sample prep	Dispensing buffers, enzymes and nucleic acids in parallel.
Sequencing sample clean-up	Precipitations and purification.

Whenever workflow involves pipetting on a 96-well or 384-well scale.

TRUSTED RESULTS GUARANTEED

Volume μL	PLATEMASTER P20 Volume range from 0.5 to 20 μL			
	Maximum Permissible Errors			
	Gilson		ISO 8655	
	Systematic (μL)	Random (μL)	Systematic (μL)	Random (μL)
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

Only certified with PIPETMAN DIAMOND Tips.

Volume μL	PLATEMASTER P220 Volume range from 2 to 220 μL			
	Maximum Permissible Errors			
	Gilson		ISO 8655	
	Systematic (μL)	Random (μL)	Systematic (μL)	Random (μL)
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

AVAILABLE RANGE

Model	PLATEMASTER P20	PLATEMASTER P220
Ordering Reference	F110761	F110762
Volume Range	0.5 μL - 20 μL <i>Volume can be adjusted in 0.1 μL increments</i>	2 μL to 220 μL <i>Volume can be adjusted in 1 μL increments</i>
Temperature Range	Recommended working temperature : 20 to 25 $^{\circ}\text{C}$	
Dimensions	300 x 450 x 400 mm (W x L x H)	
Weight	approx. 16 kg	



GILSON COMPLETE PIPETTING SYSTEM

Accessories	Part Number
384-well adapter. Positioning done by wheel.	F1077602
384-well adapter. Positioning done by hand.	F1077603
Alu-heater block for PLATEMASTER, 96 x 0.2 mL, for PCR tubes, stripes & PCR plates \varnothing 7.8 mm	F1077604
Pipetting head height adjuster	F1077605
Lubrication box of O-rings PLATEMASTER	F1077606



F1077602



F1077603

PLATEMASTER	Recommended PIPETMAN DIAMOND tips	
	Model	Volume range (μL)
P20	D200	2 - 200 μL
	D200ST	2 - 200 μL
	DS200	2 - 200 μL
	DS200ST	2 - 200 μL
	DSF200	20 - 200 μL
	DF100ST	10 - 100 μL
P220	DF200ST	10 - 200 μL
	D200	2 - 200 μL
	D200ST	2 - 200 μL
	D300	20 - 300 μL
	D300ST	20 - 300 μL
	DF200ST	20 - 200 μL
	DF300ST	20 - 300 μL

platemaster™

Fast Manual Microplate Pipetting!



FAST PIPETTING

EASY & INTUITIVE USE

CONSISTENT RESULTS

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GILSON

MANUAL 96-CHANNEL PIPETTING

FAST PIPETTING

EASY & INTUITIVE USE

CONSISTENT RESULTS



platemaster™

Fast Manual Microplate Pipetting!

Preparing or transferring more than 10 microplates a day is not only time-consuming, but can also be tiring with ordinary pipettes. An automated pipetting station may help, but it requires a lot of time for programming or training before use.

With PLATEMASTER preparing a microplate can be done manually and precisely in a few seconds only.

- **HIGH PRODUCTIVITY**

Fill a 96-well plate within 10 seconds or a 384-well plate in only 4 steps in less than 1 minute.

- **AS EASY AND INTUITIVE AS A PIPETMAN**

No required programming, long training or even power; it simply works like a manual pipette.

- **TRUSTED RESULTS GUARANTEED**

From 0.5 µL to 220 µL with the legendary PIPETMAN accuracy and precision.



HIGH PRODUCTIVITY IN YOUR LAB

- **Optimized working conditions**

- Reduce the number of manipulations necessary for filling a microplate, in comparison to ordinary multichannel pipettes to optimize working times and comfort.
- A 5 min training is enough to make it operational by pipette users.
- Perform pipetting silently unlike robotic devices.

- **Increased consistency**

- All enzymatic reactions or cell-based applications can be started and stopped in 96 wells at the same time.
- Reduce risk of human errors by eliminating the possibility of skipping or repeating wells.
- Increase the well-to well reproducibility.

- **Versatile**

Several accessories, such as adapters for 384-well plate or sample heater blocks, allow for fast microplate pipetting using PLATEMASTER in many applications.

- **Easy integration in the laboratory**

Compact and portable to use on any lab bench, under a hood, or in a cold room.

AS EASY AND INTUITIVE AS A PIPETMAN!

3 steps to fill a 96-well plate:

- 1 Fit the PIPETMAN DIAMOND Tips.
- 2 Pipette the solution.
- 3 Dispense into the chosen plate.

