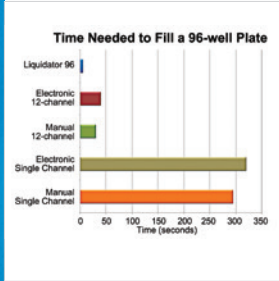


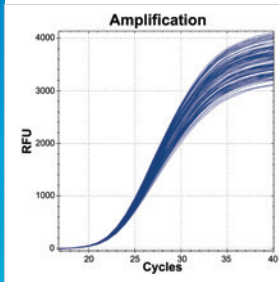
Faster, Better Workflows

96-channel Manual Pipetting



Save time

Setting up assays in 96-well plates using single- and multi-channel pipettes is often tedious and time consuming. Liquidator processes 96-well plates in as few as 6 seconds each, without sacrificing data quality, giving you more time for more important tasks such as data analysis and hypothesis-building.



Reduce errors

Single and multi-channel pipettes greatly increase the risk of skipping or repeating rows and wells on qPCR, ELISA and other plate-based experiments. Liquidator 96 eliminates this risk by filling all 96 wells at the same time.



Pipette as low as 0.5 µL

With a range of 0.5 to 20 µL, Liquidator's low volume 20 µL model expands your range of 96-well protocols. Built to last, simple to use and exceptionally ergonomic, Liquidator 20 µL and 200 µL offer the highest accuracy and precision specifications possible.



Increase speed and versatility

Because Liquidator 20 µL and 200 µL are manual devices that require little training, they are immediately useable to everyone in the lab. The 200 µL model is ideal for experiments like ELISA with volumes in the range from 5-200 µL. With volumes as small as 0.5 µL, the 20 µL model streamlines applications like qPCR.

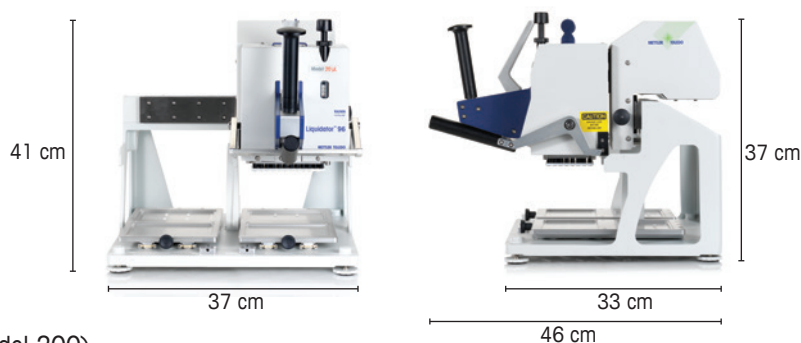
Liquidator™ 96

A fast, versatile lab assistant

Simultaneous 96-well pipetting greatly simplifies micro-volume applications like ELISA, cellular assays, qPCR and protein crystallization. With greater accuracy, precision and repeatability, METTLER TOLEDO's Rainin Liquidator 96 streamlines any application involving 96-well plates. It is compact, requires no electricity and is available in two volume ranges – 0.5 to 20 µL and 5 to 200 µL. And because it is a manual device, Liquidator 96 is easy to use and requires virtually no training.

Liquidator 96

- Manual aspiration and dispense
- Unparalleled accuracy and precision
- Four SBS footprint operating positions
- Easy volume setting
- Right or left-handed operation
- Small footprint
- 96-well and 384-well capability
- Volume increment: 0.02 µL (Model 20) or 0.2 µL (Model 200)



Specifications

LIQ-96-20

Inaccuracy

20 µL:	± 1.0%	20 µL:	≤ 0.8%
10 µL:	± 1.2%	10 µL:	≤ 1.0%
2 µL:	± 6%	2 µL:	≤ 5%
1 µL:	± 12%	1 µL:	≤ 10%

Precision

LIQ-96-200

Inaccuracy

200 µL:	± 1.0%	200 µL:	≤ 0.5%
100 µL:	± 1.0%	100 µL:	≤ 0.8%
20 µL:	± 2.0%	20 µL:	≤ 1.5%
5 µL:	± 5.0%	5 µL:	≤ 3.5%

Precision

Ordering Information

MT-Order No. Description

Liquidator 96

17014207	LIQ-96-20	0.5-20 µL 96-channel Manual Pipetting System
17010335	LIQ-96-200	5-200 µL 96-channel Manual Pipetting System
17012282	LIQ-IPAC	IPAC Initial Qualification for Liquidator 96

Accessories

17010394	LIQ-384PA	384-well adapter plate stage
17010791	LIQ-384PA-B	384-well adapter plate stage - black
17014270	LIQ-AP-20	Height adjustment posts for LIQ-96-20
17010396	LIQ-AP	Height adjustment posts for LIQ-96-200
17011288	LIQ-MAG1	Magnetic bead separator plate, 24 posts
17011289	LIQ-MAG2	Magnetic bead separator plate, 96 round posts
17011118	LIQ-20PA	20 µL tip adapter plate stage - white ¹
17011119	LIQ-20PA-B	20 µL tip adapter plate stage - black ¹

BioClean™ Liquidator Racked LTS Tips

Max Volume

17011185	LQR-20	Liquidator 96 tips, racked	20 µL
17011186	LQR-20S	Liquidator 96 tips, racked, presterilized	20 µL
17011117	LQR-20F	Liquidator 96 tips, racked, filter, presterilized	20 µL
17010645	LQR-200	Liquidator 96 tips, racked	200 µL
17010647	LQR-200S	Liquidator 96 tips, racked, presterilized	200 µL
17010646	LQR-200F	Liquidator 96 tips, racked, filter, presterilized	200 µL

BioClean Liquidator Stacked LTS Tips

17011187	LQS-20	Liquidator 96 tips, stacked	20 µL
17011287	LQS-20S	Liquidator 96 tips, stacked, presterilized	20 µL
17010648	LQS-200	Liquidator 96 tips, stacked	200 µL
17010649	LQS-200S	Liquidator 96 tips, stacked, presterilized	200 µL

MT-Order No. Description

SBS polypropylene reusable reservoirs

17012602	LR-R1-PB-5	Low profile 96 pyramidal wells 5-pack
17012603	LR-R1-PB-5-S	Sterile low profile 96 pyramidal wells, 5-pack ²
17012604	LR-R2-PB-5	Standard profile 96 pyramidal wells, 5-pack
17012605	LR-R2-PB-5-S	Sterile std. profile 96 pyramidal wells, 5-pack ²
17012608	LR-R1-8V-5	Low profile 8-channel V-bottom, 5-pack
17012609	LR-R1-8V-5-S	Sterile low profile 8-channel V-bottom, 5-pack ²
17012606	LR-R2-8V-5	Std. profile 8-channel V-bottom, 5-pack
17012607	LR-R2-8V-5-S	Sterile std profile 8-channel V-bottom, 5-pack ²
17012612	LR-R1-12V-5	Low profile 12-channel V-bottom, 5-pack
17012613	LR-R1-12V-5-S	Sterile low profile 12-chan. V-bottom, 5-pack ²
17012610	LR-R2-12V-5	Standard profile 12-channel V-bottom, 5-pack
17012611	LR-R2-12V-5-S	Sterile std. profile 12-chan. V-bottom, 5-pack ²

Deepwell plates and mats

17012623	LR-P2-96P-5	2.2 ml 96-deepwell plates, 5-pack
17012624	LR-P2-96P-5-S	Sterile 2.2 ml 96-deepwell plates, 5-pack ²
17012625	LR-P2-96-M-5	Silicone sealing mat for 96-deepwell plate, 5-pack
17012626	LR-P2-96-M-5-S	Sterile silicone sealing mat for 96-deepwell plate, 5-pack ²

¹ One of these stages must be used with 20 µL tips when using the 200 µL model.

² All sterile items are individually wrapped. Visit our website at www.mt.com/rainin to learn about additional useful accessories for the Liquidator 96.

RAININ TRADEMARKS: Rainin, LTS, BioClean, Liquidator and Pipetting 360° are trademarks of Mettler-Toledo Rainin, LLC.



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