Manual Pipettes

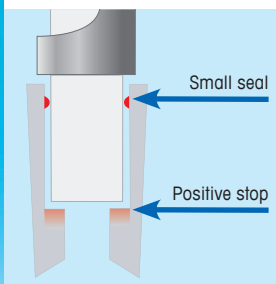# Pipet-Lite XLS+ Single Channels
Performance You Can Trust

Total hand comfort
With sure-fit handles, contoured finger hooks, lighter springs, low-drag seals and Rainin's patented LTS LiteTouch System technology, you can count on Pipet-Lite XLS+ to provide comfort all day long.

Smooth operation
The sealing system on XLS+ pipettes delivers a plunger stroke that is smooth, precise and requires less force than ever. Perfect for pipetting applications that require delicate control.

Lightest touch
Nothing beats Rainin's patented LTS® LiteTouch® System for ergonomics and ease of use. The small sealing area and positive stop ensure tips load quickly, seal perfectly and are easy to eject. And with new low-drag seals and lighter springs, your hands will feel the difference. No need to pound on the tips!

Small seal

Positive stop

GLP/GMP security
Rainin pipettes were the world's first to be equipped with Radio Frequency Identification (RFID) chips for storing service and data profiles on-board, tracking calibration data and managing pipette inventory.

Pipet-Lite XLS+ with RFID
The Performance Champions

The new Pipet-Lite® XLS+™ is one of the most ergonomic accurate and precise pipettes on the market. The sure-fit handle, light springs and "stiction-less" sealing technology ensure smooth, light operation and significantly reduce the risk of repetitive strain injuries. Pipet-Lite XLS+ is the world's first pipette equipped with RFID tags for advanced calibration and asset management. Tip shaft options included low-force LTS® for improved ergonomics and universal fit.

METTLER TOLEDO

Pipet-Lite® XLS+™ with RFID
The Performance Champion

Feature Loaded

- Ergonomic handle design with comfortable fingerhook
- Improved volume adjustment lock prevents drift
- Built-in shock absorber inside the tip ejector reduces thumb impact
- Autoclavable shaft assembly
- Available with LTS and universal tip/shaft configurations
- Corrosion free, easy to clean tip ejector
- RFID tags for asset management

Optional RFID Reader works with all Rainin RFID-enabled pipettes, and interfaces with METTLER TOLEDO's LabX™ Direct Pipette-Scan™ calibration check.

Technical Data

Specifications

Model	Volume (µL)	Increment (µL)	Accuracy %	Accuracy µL (±)	Precision %	Precision µL (≤)
L-2XLS+. SL-2XLS+	0.2	0.002	12.0	0.024	6.0	0.012
	1		2.7	0.027	1.3	0.013
	2		1.5	0.030	0.7	0.014
L-10 XLS+. SL-10XLS+	1.0	0.02	2.5	0.025	1.2	0.012
	5.0		1.5	0.075	0.6	0.03
	10.0		1.0	0.1	0.4	0.04
L-20XLS+. SL-20 XLS+	2	0.02	7.5	0.15	2.0	0.04
	10		1.5	0.15	0.5	0.05
	20		1.0	0.2	0.3	0.06
L-100XLS+. SL-100XLS+	10	0.2	3.5	0.35	1.0	0.1
	50		0.8	0.4	0.24	0.12
	100		0.8	0.8	0.15	0.15
L-200XLS+. SL-200XLS+	20	0.2	2.5	0.5	1.0	0.2
	100		0.8	0.8	0.25	0.25
	200		0.8	1.6	0.15	0.3
L-300XLS+. SL-300XLS+	30	0.5	2.5	0.75	1.0	0.3
	150		0.8	1.2	0.25	0.375
	300		0.8	2.4	0.15	0.45
L-1000XLS+. SL-1000XLS+	100	2	3.0	3.0	0.6	0.6
	500		0.8	4.0	0.2	1.0
	1000		0.8	8.0	0.15	1.5
L-2000XLS+. SL-2000XLS+	200	2	3.0	6.0	0.6	1.2
	1000		0.8	8.0	0.2	2.0
	2000		0.8	16.0	0.12	2.4
*L-5000XLS. *SL-5000XLS	500	5	2.4	12.0	0.6	3.0
	2500		0.6	15.0	0.2	5.0
	5000		0.6	30.0	0.16	8.0
*L-10MLXLS. *SL-10MLXLS	1 mL	20	5.0	50.0	0.6	6.0
	5 mL		1.0	50.0	0.2	10.0
	10 mL		0.6	60.0	0.16	16.0
*L-20MLXLS	2 mL	20	5.0	100.0	0.6	12.0
	10 mL		1.0	100.0	0.2	20.0
	20 mL		0.6	120.0	0.16	32.0

Ordering Information

MT-Order No. LTS	Cat. No. LTS	MT-Order No. Traditional	Cat. No. Traditional	Volume Range
17014393	L-2XLS+	17014413	SL-2XLS+	0.1–2 µL
17014388	L-10XLS+	17014409	SL-10XLS+	0.5–10 µL
17014392	L-20XLS+	17014412	SL-20XLS+	2–20 µL
17014384	L-100XLS+	17014408	SL-100XLS+	10–100 µL
17014391	L-200XLS+	17014411	SL-200XLS+	20–200 µL
17014405	L-300XLS+	17014414	SL-300XLS+	20–300 µL
17014382	L-1000XLS+	17014407	SL-1000XLS+	100–1000 µL
17014390	L-2000XLS+	17014410	SL-2000XLS+	200–2000 µL
17011790	*L-5000XLS	17011801	*SL-5000XLS	500–5000 µL
17011783	*L-10MLXLS	17011795	*SL-10MLXLS	1000 µL–10 mL
17011788	*L-20MLXLS	N/A	N/A	2000 µL–20 mL
17014406	L-STARTXLS+	17014415	SL-STARTXLS+	Starter Kits**

* The 5000 µL, 10 mL and 20 mL models do not appear the same as the photos.
** Include 20, 200, 1000 µL models, tips and accessories.

Accessories

MT-Order No,	Description	
17011966	RFID-KIT	RFID Kit including Rainin RFID Reader and LabX Direct Pipette-Scan Software
17011964	RFID-RDR	Rainin RFID Reader
17011965	LABX-PIPET	LabX Direct Pipette-Scan Software

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