

■ mLINE® Mechanical Pipettes

Effortless Accuracy



mLINE® low pipetting forces protect laboratory workers from injury.



Optiload secures even tip sealing onto every individual tip cone, and allows tips to be loaded and ejected with minimum force.



Safe-Cone Filters protect the pipette from contamination, and should be changed regularly.

Sartorius' mechanical pipette family – the mLINE® – offers excellent ergonomics, performance and safety in manual pipetting. It is designed to maintain high accuracy and precision in repetitive and long-lasting manual pipetting. Its excellent ergonomics minimize the risk of work related hand, arm and shoulder disorders and Work Related Upper Limb Disorder (WRULD).

It covers the full volume range of 0.1 µl to 10 ml and is available in single- and multi-channel models.

Excellent Ergonomics with Low Pipetting Forces

Excellent ergonomics and low pipetting forces protect laboratory workers from injury. mLINE® has exceptionally light pipetting and tip ejection forces due to its patented spring mechanism. The light pipetting force improves pipetting precision in long pipetting series.

The starting forces in mLINE® pipettes are always constant, regardless of the set volume. This improves pipetting results especially for small volumes.

Optiload – Loading Tips with Minimum Force

mLINE® pipettes have spring-loaded tip cones – the Optiload mechanism – on both single and multi-channel models. Optiload secures even tip sealing onto every individual tip cone, and allows tips to be loaded and ejected with minimum force. This is an advantage especially when working with multi-channel models that otherwise would require more force for tip loading and ejection than a single-channel model.

Safe-Cone Filters Protect the Pipette

The replaceable Safe-Cone Filter located inside the tip-cone prevents aerosols and fluids from penetrating the pipette, also in cases of over-aspiration. The use of Safe-Cone Filters lengthens the maintenance interval of the pipette.

Safe-Cone Filters are available for all mLINE® models greater than 10 µl. They must be replaced regularly, and always in cases of over-aspiration. Safe-Cone Filters can easily and safely be ejected by removing the colour cap and pressing down the operating button.

□ Features

- Low pipetting f
- WRULD and im
- pipetting series
- Ergonomic fing
- grip force need
- Optiload mecha
- multi-channel
- tip loading with
- Single and mul
- Volume adjustr
- ing accidental
- Big volume disp

Ordering Information

Tip Selection Guide

mLINE® Order Code	Channels	Volume Range (µl)	Increment (µl)	Test Volume (µl)	Systematic Error ^N Limit ±		Random Error ^N Limit		Pipette Colour-Code	Safe-Cone Filters Standard Plus		Optifit Colour-
					(%)	(µl)	(%)	(µl)				
725010	1	0.1–3	0.002	3	1.4	0.042	0.8	0.024	●	-	-	●
				1.5	2.6	0.039	1.6	0.024				
				0.3	10.0	0.030	6.0	0.018				
725020	1	0.5–10	0.01	10	1.0	0.100	0.6	0.060	●	-	-	●
				5	1.5	0.075	1.0	0.050				
				1	3.0	0.030	2.0	0.020				
725030	1	2–20	0.02	20	1.0	0.200	0.5	0.100	●	721008	721018	●
				10	1.4	0.140	0.9	0.090				
				2	4.0	0.080	3.0	0.060				
725050	1	10–100	0.10	100	0.8	0.80	0.2	0.20	●	721008	721018	●
				50	1.0	0.50	0.4	0.20				
				10	3.0	0.30	1.0	0.10				
725060	1	20–200	0.20	200	0.6	1.20	0.2	0.40	●	721007	721017	●
				100	0.8	0.80	0.3	0.30				
				20	2.3	0.46	0.9	0.18				
725070	1	100–1,000	1.00	1,000	0.7	7.0	0.2	2.0	●	721006	721016	●
				500	0.8	4.0	0.2	1.0				
				100	2.5	2.5	0.6	0.6				
725080	1	500–5,000	10.0	5,000	0.6	30	0.2	10	●	721005	721015	●
				2,500	0.7	17.5	0.3	7.5				
				500	2.4	12	0.6	3				
725090	1	1,000–10,000	20.0	10,000	0.6	60	0.2	20	●	721005	721015	●
				5,000	1.2	60	0.3	15				
				1,000	3.0	30	0.6	6				
725120	8	0.5–10	0.01	10	1.5	0.150	1.0	0.100	●	-	-	●
725220	12			5	2.5	0.125	2.0	0.100				
				1	5.5	0.055	4.0	0.040				
725130	8	5–100	0.10	100	0.9	0.90	0.4	0.40	●	721008	721018	●
725230	12			50	1.2	0.60	0.7	0.35				
				10	4.0	0.40	2.0	0.20				●
725140	8	30–300	0.20	300	0.6	1.80	0.25	0.75	●	721007	721017	●
725240	12			150	1.0	1.50	0.5	0.75				
				30	2.5	0.75	1.0	0.30				

^N Note: The listed systematic and random error values can be achieved only under strictly controlled conditions during type tests per ISO 8655.

^{LRT} Note: Low Retention Tips are available in volumes up to

□ mLINE® Multipacks – Complete Sets of Pipettes and Accessories

mLINE® Multipacks offer are sets of mechanical pipettes in an affordable package, including a Linear Stand and racks of matching tips.

□ Ordering Information

Multipack Order Code	mLINE® Pipettes	Sartorius Optifit Tips	Accessories
mLINE® Pipette 3-pack 10 LH-725661	1-channel – 0.5 – 10 µl – 10 – 100 µl – 100 – 1,000 µl	Tip Racks (96 tips) – 0.1 – 10 µl – 0.5 – 200 µl – 10 – 1,000 µl	Linear Stand
mLINE® Pipette 3-pack 20 LH-725662	1-channel – 2 – 20 µl – 20 – 200 µl – 100 – 1,000 µl	Tip Racks (96 tips) – 0.5 – 200 µl – 10 – 1,000 µl	Linear Stand
mLINE® Pipette 4-pack LH-725663	1-channel – 0.5 – 10 µl – 10 – 100 µl – 20 – 200 µl – 100 – 1,000 µl	Tip Racks (96 tips) – 0.1 – 10 µl – 0.5 – 200 µl – 10 – 1,000 µl	Linear Stand
mLINE® Pipette 5-pack LH-725664	1-channel – 2 – 20 µl – 10 – 100 µl – 20 – 200 µl – 100 – 1,000 µl – 500 – 5,000 µl	Tip Racks (96 tips) – 0.5 – 200 µl – 10 – 1,000 µl Tip Rack (50 tips) – 5,000 µl	Linear Stand
mLINE® Pipette 3+1-pack LH-725665	1-channel – 0.5 – 10 µl – 20 – 200 µl – 100 – 1,000 µl 8-channel – 30 – 300 µl	Tip Racks (96 tips) – 0.1 – 10 µl – 0.5 – 200 µl – 5 – 350 µl – 10 – 1,000 µl	Linear Stand

