

■ mLINE® Mechanical Pipettes

Effortless Accuracy



mLINE®'s 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 and Benefits

- Low pipetting forces that prevent WRULD and improve results in long pipetting series
- Ergonomic finger support minimizes the grip force needed to hold the pipette
- Optiload mechanism in both single- and multi-channel models for easy and light tip loading with perfect tip sealing
- Single and multi-channel models
- Volume adjustment locking for preventing accidental volume changes
- Easy-to-read volume display
- Colour-coding of volumes to ease the selection of corresponding pipette tips
- Safe-Cone Filters available for models > 10 µl with convenient filter ejection mechanism
- Fully autoclavable without disassembly
- Simple to clean and maintain with only three parts to disassemble
- Easy user adjustment e.g. for different liquids
- Materials have high chemical and UV-resistance to ensure a long life span for the pipette



Ordering Information

mLINE®

Order Code	Channels	Volume Range (µl)	Colour-Coding	Increment (µl)	Test Volume (µl)	Systematic Error* (%)	Random Error* (%)	Safe-Cone Standard	Filters Plus
725010	1	0,1-3	●	0,002	3	1,30	0,80	-	-
					1,5	2,40	1,60		
					0,3	10,00	6,00		
725020	1	0,5-10	●	0,01	10	1,00	0,60	-	-
					5	1,50	1,00		
					1	2,50	1,50		
725030	1	2-20	●	0,02	20	0,90	0,40	721014	-
					10	1,20	1,00		
					2	3,00	2,00		
725050	1	10-100	●	0,10	100	0,80	0,15	721008	721018
					50	1,00	0,40		
					10	2,00	1,00		
725060	1	20-200	●	0,20	200	0,60	0,15	721007	721017
					100	0,80	0,30		
					20	2,30	0,90		
725070	1	100-1000	●	1,00	1000	0,70	0,20	721006	721016
					500	0,70	0,20		
					100	2,00	0,50		
725080	1	500-5000	●	10,0	5000	0,50	0,20	721005	721015
					2500	0,60	0,30		
					500	2,00	0,60		
725090	1	1-10 ml	●	20,0	10000	0,60	0,20	721005	721015
					5000	1,20	0,30		
					1000	3,00	0,60		
725120	8	0,5-10	●	0,01	10	1,50	1,00	-	-
					5	2,50	2,50		
					1	4,00	4,00		
725130	8	5-100	●	0,10	100	0,70	0,25	721008	721018
					50	1,00	0,70		
					10	3,00	1,50		
725140	8	30-300	●	0,20	300	0,60	0,25	721007	721017
					150	1,00	0,50		
					30	2,00	1,00		
725220	12	0,5-10	●	0,01	10	1,50	1,00	-	-
					5	2,50	2,50		
					1	4,00	4,00		
725230	12	5-100	●	0,10	100	0,70	0,25	721008	721018
					50	1,00	0,70		
					10	3,00	1,50		
725240	12	30-300	●	0,20	300	0,60	0,25	721007	721017
					150	1,00	0,50		
					30	2,00	1,00		

* The listed systematic and random error values have been achieved under strictly controlled conditions during type tests per ISO 8655. Due to continuous product development by Sartorius, the systematic and random error values are subject to change without prior notice.



mLINE® Multipacks come with a linear stand.



mLINE® Multipacks include matching tips in single tray racks.



mLINE® Pipette 5-pack



mLINE® Pipette 3-pack 20

□ mLINE® Multipacks

mLINE® Multipacks offer a set of our premium mechanical pipettes in an affordable package, where a Linear Stand and racks of matching tips are included.

The Multipacks allow the affordable renewal of existing pipettes, or to set up new workstations, with a set of highly ergonomic pipettes with excellent accuracy and precision.

□ Ordering Information

Order Code	Item
LH-725661	mLINE® Pipette 3-pack 10 - mLINE® pipettes: 0,5-10 µl, 10-100 µl and 100-1000 µl - Linear Stand - Matching Optifit Tip Single Tray rack (96 tips)
LH-725662	mLINE® Pipette 3-pack 20 - mLINE® pipettes: 2-20 µl, 20-200 µl and 100-1000 µl - Linear Stand - Matching Optifit Tip Single Tray rack (96 tips)
LH-725663	mLINE® Pipette 4-pack - mLINE® pipettes: 0,5-10 µl, 10-100 µl, 20-200 µl and 100-1000 µl - Linear Stand - Matching Optifit Tip Single Tray rack (96 tips)
LH-725664	mLINE® Pipette 5-pack - mLINE® pipettes: 2-20 µl, 10-100 µl, 20-200 µl, 100-1000 µl and 500-5000 µl - Linear Stand - Matching Optifit Tip Single Tray rack (96 tips)
LH-725665	mLINE® Pipette 3+1 -pack - mLINE® pipettes: 0,5-10 µl, 20-200 µl, 100-1000 µl and 8-channel 30-300 µl - Linear Stand - Matching Optifit Tip Single Tray rack (96 tips)