

Picus® NxT- Specifications & Pricing

Model	Channel	Volume Range (µl)	Increment (µl)	Test Volume (µl)	Test Mode	System. Error (%)		System. Error (µl)		Random Error (%)		Random Error (µl)		Safe-Cone Filters		Optifit Tips (µl)	SafetySpace Filter Tips (µl)	US List Price (\$)
						Mode	Error (%)	Error (µl)	Error (%)	Error (µl)	Standard	Plus						
LH-745021	1	0.2-10	0.01	10	P	1.0	0.100	0.4	0.040	-	-	10	10	1,010				
				5	P	1.2	0.060	0.7	0.035									
				1	P	3.0	0.030	2.0	0.020									
				0.2	P	17.5	0.035	10	0.020									
				1	D	6.0	0.060	7.0	0.070									
LH-745041	1	5-120	0.10	120	P	0.5	0.60	0.15	0.18	721008	721018	200	120	1,010				
				60	P	0.7	0.42	0.2	0.12		350	200						
				12	P	2.0	0.24	1.0	0.12									
				5	P	5.5	0.275	2.5	0.125									
				12	D	4.0	0.48	4.0	0.48									
LH-745061	1	10-300	0.20	300	P	0.5	1.50	0.15	0.45	721007	721017	350	300	1,010				
				150	P	0.6	0.90	0.2	0.30									
				30	P	1.5	0.45	0.8	0.24									
				10	P	5.0	0.50	2.4	0.24									
				30	D	3.0	0.90	3.0	0.90									
LH-745081	1	50-1000	1.00	1000	P	0.45	4.5	0.15	1.5	721006	721016	1000	1000	1,010				
				500	P	0.6	3.0	0.2	1.0									
				100	P	2.0	2.0	0.5	0.5									
				50	P	4.0	2.0	1.0	0.5									
				100	D	2.5	2.5	2.0	2.0									
LH-745101	1	100-5000	5.00	5000	P	0.5	25	0.15	7.5	721005	721015	5000	-	1,010				
				2500	P	1.7	17.5	0.2	5									
				500	P	1.6	8	0.4	2									
				100	P	8.0	8	2.0	2									
				500	D	2.4	12	2.4	12									
LH-745111	1	500-10000	10.00	10000	P	0.6	60	0.2	20	721005	721015	10000	-	1,010				
				5000	P	0.9	45	0.3	15									
				1000	P	3.0	30	0.6	6									
				500	P	7.0	35	1.2	6									
				1000	D	4.0	40	2.4	24									
LH-745321	8	0.2-10	0.01	10	P	1.2	0.120	0.5	0.050	-	-	10	10	1,680				
				5	P	1.5	0.075	0.8	0.040									
				1	P	4.0	0.040	3.0	0.030									
				0.2	P	25.0	0.050	15.0	0.030									
				1	D	12.0	0.120	15.0	0.150									
LH-745341	8	5-120	0.10	120	P	0.6	0.72	0.3	0.36	721008	721018	200	120	1,680				
				60	P	0.8	0.48	0.4	0.24		350							
				12	P	2.5	0.30	1.67	0.20									
				5	P	6.0	0.30	4.0	0.20									
				12	D	4.5	0.54	8.0	0.96									
LH-745361	8	10-300	0.20	300	P	0.6	1.80	0.2	0.60	721007	721017	350	300	1,680				
				150	P	0.8	1.20	0.3	0.45									
				30	P	2.33	0.70	1.0	0.30									
				10	P	8.0	0.80	3.0	0.30									
				30	D	3.33	1.00	6.0	1.80									
LH-745391	8	50-1200	1.00	1200	P	0.6	7.2	0.2	2.4	721006	721016	1200	1200	1,680				
				600	P	1.0	6.0	0.3	1.8									
				120	P	2.5	3.0	1.0	1.2									
				50	P	8.0	4.0	2.4	1.2									
					D	3.33	4.0	3.33	4.0									
LH-745421	12	0.2-10	0.01	120	P	1.2	0.120	0.5	0.05	-	-	10	10	2,070				
				5	P	1.5	0.075	0.8	0.04									
				1	P	4.0	0.040	3.0	0.03									
				0.2	P	25.0	0.050	15.0	0.03									
				1	D	12.0	0.120	15.0	0.15									
LH-745441	12	5-120	0.10	120	P	0.6	0.72	0.3	0.36	721008	721018	200	120	2,070				
				60	P	0.8	0.48	0.4	0.24		350							
				12	P	2.5	0.30	1.67	0.20									
				5	P	6.0	0.30	4.0	0.20									
				12	D	4.5	0.54	8.0	0.96									
LH-745461	12	10-300	0.20	300	P	0.6	1.80	0.2	0.60	721007	721017	350	300	2,070				
				150	P	0.8	1.20	0.3	0.45									
				30	P	2.33	0.70	1.0	0.30									
				10	P	8.0	0.80	3.0	0.30									
				30	D	3.33	1.00	6.0	1.80									
LH-745491	12	50-1200	1.00	1200	P	0.6	7.2	0.2	2.4	721006	721016	1200	1200	2,070				
				600	P	1.0	6.0	0.3	1.8									
				120	P	2.5	3.0	1.0	1.2									
				50	P	8.0	4.0	2.4	1.2									
				120	D	3.33	4.0	3.33	4.0									

Picus® Electronic Pipettes

The Most Sophisticated and Ergonomic Pipette Ever!

Picus® is Sartorius' most ergonomic pipette in the Biohit*family*. Designed to revolutionize pipetting, it is the smallest and lightest electronic pipette on the market. This enables it to ease the user's workload and provides protection from repetitive strain injury (RSI). Its new generation technology, electronic brake and piston control system guarantee accurate and precise pipetting results.

Features

Excellent Ergonomics

- Extremely small and light electronic pipette (only 100 g)
- Comfortable handle design and finger hook
- Light, electronic tip ejection

New Generation Technology

- Enhanced DC-motor concept provides outstanding accuracy and repeatability of the results

Intuitive User-Interface

- Available with five language options: English, Chinese, French, German and Russian

Handy Adjustment Wheel

- Offers extremely fast volume setting and easy menu navigation
- Enables ergonomic one-handed operation
- Controls accurately manual pipetting and titrating speed with just a light touch of the thumb

Microwell Plate Tracker

- Unique built-in tracker for 96 and 384 well plates guides the user to pipette into the correct wells
- Improves work efficiency and reliability of results

Optiload for Perfect Tip Sealing

- Allows tip loading with an equal constant force onto every channel
- Enables perfect tip sealing onto every individual tip cone
- Optiload is available only in multichannel models

Safe-Cone Filters

- Prevent contamination
- In all models > 10 µl

Autoclavable Lower Parts (excl. 1200 µl models)

- For easy cleaning

All pipettes include universal AC-adaptor (EU, UK, US | JPN, AUS and CHN plugs)
NOTE: For additional product specifications (including Pipetting & Multi-Dispensing modes) contact your sales rep. for a datasheet. The listed systematic and random error values can be achieved only under strictly controlled conditions during type tests per ISO 8655. Pipettes are tested at factory default speed settings. Due to the continuous product development by Sartorius, the systematic and random error values are subject to change without notice.



Benefits

Enjoy Pipetting

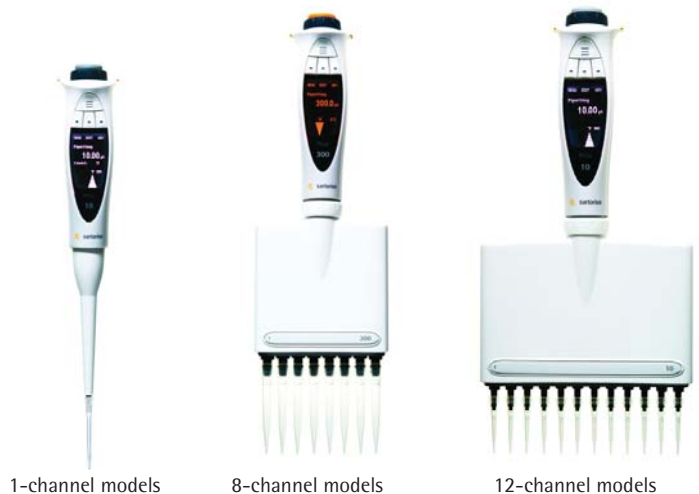
- Our lightest and smallest electronic pipette protects you from RSI (repetitive strain injury) and eases your workload in long pipetting series
- New ergonomic design ensures an optimal working posture and comfortable pipetting
- Effortless, electronic tip ejection

Achieve Reliable Results

- New generation technology – the electronic brake and piston control system guarantee accurate and precise pipetting results
- A unique plate tracker increases reliability in microwell plate work, by guiding pipetting steps
- Fully electronic operation guarantees user-independent results

Learn to Use It in a Minute

- Intuitive user interface with five language options helps learning the main functions easily without a manual
- Fastest volume setting and easy menu navigation with unique adjustment wheel
- Hot key provides fast access to your favorite programs, easing routine work



1-channel models

8-channel models

12-channel models

Picus® – Specifications & Pricing

Model	Channel	Volume Range (µl)	Increment (µl)	Test Volume (µl)	Test Mode	System. Error (%)		System. Error (µl)		Random Error (%)		Random Error (µl)		Safe-Cone Filters		Optifit Tips (µl)	SafetySpace Filter Tips (µl)	US List Price (\$)
						Standard	Plus	Standard	Plus	Standard	Plus	Standard	Plus					
735021	1	0.2-10	0.01	10	P	1.0	0.100	0.4	0.040	-	-	10	10	895				
				5	P	1.2	0.060	0.7	0.035									
				1	P	3.0	0.030	2.0	0.020									
				0.2	P	17.5	0.035	10	0.020									
				1	D	6.0	0.060	7.0	0.070									
735041	1	5-120	0.10	120	P	0.5	0.60	0.15	0.18	721008	721018	200	120	895				
				60	P	0.7	0.42	0.2	0.12	350	200							
				12	P	2.0	0.24	1.0	0.12									
				5	P	5.5	0.275	2.5	0.125									
				12	D	4.0	0.48	4.0	0.48									
735061	1	10-300	0.20	300	P	0.5	1.50	0.15	0.45	721007	721017	350	300	895				
				150	P	0.6	0.90	0.2	0.30									
				30	P	1.5	0.45	0.8	0.24									
				10	P	5.0	0.50	2.4	0.24									
				30	D	3.0	0.90	3.0	0.90									
735081	1	50-1000	1.00	1000	P	0.45	4.5	0.15	1.5	721006	721016	1000	1000	895				
				500	P	0.6	3.0	0.2	1.0									
				100	P	2.0	2.0	0.5	0.5									
				50	P	4.0	2.0	1.0	0.5									
				100	D	2.5	2.5	2.0	2.0									
735101	1	100-5000	5.00	5000	P	0.5	25	0.15	7.5	721005	721015	5000	-	895				
				2500	P	1.7	17.5	0.2	5									
				500	P	1.6	8	0.4	2									
				100	P	8.0	8	2.0	2									
				500	D	2.4	12	2.4	12									
735111	1	500-10000	10.00	10000	P	0.6	60	0.2	20	721005	721015	10000	-	895				
				5000	P	0.9	45	0.3	15									
				1000	P	3.0	30	0.6	6									
				500	P	7.0	35	1.2	6									
				1000	D	4.0	40	2.4	24									
735321	8	0.2-10	0.01	10	P	1.2	0.120	0.5	0.050	-	-	10	10	1,480				
				5	P	1.5	0.075	0.8	0.040									
				1	P	4.0	0.040	3.0	0.030									
				0.2	P	25.0	0.050	15.0	0.030									
				1	D	12.0	0.120	15.0	0.150									
735341	8	5-120	0.10	120	P	0.6	0.72	0.3	0.36	721008	721018	200	120	1,480				
				60	P	0.8	0.48	0.4	0.24	350								
				12	P	2.5	0.30	1.67	0.20									
				5	P	6.0	0.30	4.0	0.20									
				12	D	4.5	0.54	8.0	0.96									
735361	8	10-300	0.20	300	P	0.6	1.80	0.2	0.60	721007	721017	350	300	1,480				
				150	P	0.8	1.20	0.3	0.45									
				30	P	2.33	0.70	1.0	0.30									
				10	P	8.0	0.80	3.0	0.30									
				30	D	3.33	1.00	6.0	1.80									
735391	8	50-1200	1.00	1200	P	0.6	7.2	0.2	2.4	721006	721016	1200	1200	1,480				
				600	P	1.0	6.0	0.3	1.8									
				120	P	2.5	3.0	1.0	1.2									
				50	P	8.0	4.0	2.4	1.2									
					D	3.33	4.0	3.33	4.0									
735421	12	0.2-10	0.01	120	P	1.2	0.120	0.5	0.05	-	-	10	10	1,875				
				5	P	1.5	0.075	0.8	0.04									
				1	P	4.0	0.040	3.0	0.03									
				0.2	P	25.0	0.050	15.0	0.03									
				1	D	12.0	0.120	15.0	0.15									
735441	12	5-120	0.10	120	P	0.6	0.72	0.3	0.36	721008	721018	200	120	1,875				
				60	P	0.8	0.48	0.4	0.24	350								
				12	P	2.5	0.30	1.67	0.20									
				5	P	6.0	0.30	4.0	0.20									
				12	D	4.5	0.54	8.0	0.96									
735461	12	10-300	0.20	300	P	0.6	1.80	0.2	0.60	721007	721017	350	300	1,875				
				150	P	0.8	1.20	0.3	0.45									
				30	P	2.33	0.70	1.0	0.30									
				10	P	8.0	0.80	3.0	0.30									
				30	D	3.33	1.00	6.0	1.80									
735491	12	50-1200	1.00	1200	P	0.6	7.2	0.2	2.4	721006	721016	1200	1200	1,875				
				600	P	1.0	6.0	0.3	1.8									
				120	P	2.5	3.0	1.0	1.2									
				50	P	8.0	4.0	2.4	1.2									
				120	D	3.33	4.0	3.33	4.0									

Tacta Mechanical Pipettes

The New Perfectly Balanced Mechanical Pipette

Tacta is the new premium mechanical pipette with superb comfort and reliability. We listened to our customers and combined their views with our extensive experience and state-of-the-art R&D to create the exceptionally balanced design. It feels great in your hand and is easy and comfortable to use. All of the materials used for Tacta have been carefully selected and each component is designed to meet the highest standards. Tacta makes pipetting effortless and safe, while producing accurate and reliable results time after time.

Features

- Single-channel models cover a volume range of 0.1 µl- 10,000 µl and multichannel models a range of 0.5 µl – 10,000 µl
- Fully autoclavable
- Optilock, dual locking system
- Optiject, levered tip ejection system
- Optiload, spring-loaded tip cones
- Weight: 76 g (1-ch, 1000 µl). 138 g (8-ch, 300 µl)
- Length: L215mm (1-ch, 1000 µl). 240mm (8-ch, 300 µl)
- Air displacement pipetting principle



Benefits

Feel the Comfort

- Comfortable to hold due to the ergonomically designed handle
- Low pipetting and tip ejection forces that reduce the risk of Work Related Upper Limb Disorder (WRULD)
- Controlled and smooth tip ejection with the new Sartorius Optiject technology
- The unique Sartorius Optilock system provides flexibility for volume adjustment and locking

Achieve Reliable Results

- Reliable results, even over lengthy pipetting periods
- Calibration adjustment to provide accurate results for various liquid types
- Large, easy-to-read four-digit volume display helps to set exact volumes

Prevent Contamination

- Safe-Cone Filters are a cost effective method to prevent sample aerosols and fluids from contaminating the internal components of the pipette
- Safe-Cone Filters are used in pipette tip cones in all models >10ul
- The unique Safe-Cone Filter ejector enables the removal of used filters without human contact with contaminated filters

Easy Cleaning

- Tacta® is the quickest and easiest pipette on the market to clean, with only three parts to be disassembled for cleaning and no tools are needed for disassembly
- Tacta® can also be steam-sterilized or autoclaved as-is, without disassembly
- High UV and chemical resistance



Tacta – Specifications & Pricing

Model	Channel	Volume Range (µl)	Increment (µl)	Test Volume (µl)	System.		Random		Safe-Cone Filters		Optifit Tips (µl)	SafetySpace Filter Tips (µl)	US List Price (\$)	
					Error (%)	Error (µl)	Error (%)	Error (µl)	Standard	Plus				
LH-729010	1	●	0.1-3	0.002	3	1.40	0.042	0.80	0.024	-	-	10	10	410
					1.5	2.60	0.039	1.60	0.024					
					0.3	10.00	0.030	6.00	0.018					
LH-729020	1	●	0.5-10	0.01	10	1.00	0.100	0.60	0.060	-	-	10	10	410
					5	1.50	0.075	1.00	0.050					
					1	3.00	0.030	2.00	0.020					
LH-729030	1	●	2-20	0.02	20	1.00	0.200	0.50	0.100	721014	-	200	20	410
					10	1.40	0.140	0.90	0.090					
					2	4.00	0.080	3.00	0.060					
LH-729050	1	●	10-100	0.10	100	0.80	0.80	0.20	0.20	721008	721018	200	120	410
					50	1.00	0.50	0.40	0.20			350		
					10	3.00	0.30	1.00	0.10					
LH-729060	1	●	20-200	0.20	200	0.60	1.20	0.20	0.40	721007	721017	200	200	410
					100	0.80	0.80	0.30	0.30			350	300	
					20	2.30	0.46	0.90	0.18					
LH-729070	1	●	100-1000	1.00	1,000	0.70	7.0	0.20	2.0	721006	721016	1000	1000	410
					500	0.80	4.0	0.20	1.0					
					100	2.50	2.5	0.60	0.6					
LH-729080	1	●	500-5000	10.0	5,000	0.60	30	0.20	10	721005	721015	5000	-	410
					2,500	0.70	17.5	0.30	7.5					
					500	2.40	12	0.60	3					
LH-729090	1	●	1-10 ml	20.0	10,000	0.60	60	0.20	20	721005	721015	10 000	-	410
					5,000	1.20	60	0.30	15					
					1,000	3.00	30	0.60	6					
LH-729120	8	●	0.5-10	0.01	10	1.50	0.150	1.00	0.100	-	-	10	10	1,035
					5	2.50	0.125	2.00	0.100					
					1	5.50	0.055	4.00	0.040					
LH-729130	8	●	5-100	0.10	100	0.90	0.90	0.40	0.40	721008	721008	200	120	1,035
					50	1.20	0.60	0.70	0.35			350		
					10	4.00	0.40	2.00	0.20					
LH-729140	8	●	30-300	0.20	300	0.60	1.80	0.25	0.475	721007	721017	350	300	1,035
					150	1.00	1.50	0.50	0.75					
					30	2.50	0.75	1.00	0.30					
LH-729220	12	●	0.5-10	0.01	10	1.50	0.150	1.00	0.100	-	-	10	10	1,220
					5	2.50	0.125	2.00	0.100					
					1	5.50	0.055	4.00	0.040					
LH-729230	12	●	5-100	0.10	100	0.90	0.90	0.40	0.40	721008	721018	200	120	1,220
					50	1.20	0.60	0.70	0.35			350		
					10	4.00	0.40	2.00	0.20					
LH-729240	12	●	30-300	0.20	300	0.60	1.80	0.25	0.75	721007	721017	350	300	1,220
					150	1.00	1.50	0.50	0.75					
					30	2.50	0.75	1.00	0.30					

The listed systematic and random error values can be achieved only under strictly controlled conditions during type tests per ISO 8655. Pipettes are tested at factory default speed settings. Due to the continuous product development by Sartorius, the systematic and random error values are subject to change without notice.

Accessories

Item	Description	US List Price (\$)
LH-725630	Carousel Stand for 6 pipettes	132
LH-727640	Pipette Holder for one pipette	10
725620	Linear Stand	132
Pre-Delivery Calibration Certificates (for more info, see page 221)		
84JOP01	Single Channel 5.3 Calibration Mechanical Pipette	62
84JOP02	(8) Channel 5.3 Calibration Mechanical Pipette	96
84JOP10	(12) Channel 5.3 Calibration Mechanical Pipette	120
Extended Warranty (for more info, see page 226)		
84WAP01	12 months Mechanical Single Channel Pipette	113
84WAP02	12 months Mechanical (8) Channel Pipette	205
84WAP10	12 months Mechanical (12) Channel Pipette	235



Linear Stand

mLINE® Mechanical Pipettes

Effortless Accuracy

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



Features & Benefits

Extremely Light Pipetting Forces & Ergonomic Design

- Prevents repetitive strain injury (RSI)
- Better pipetting results in long-lasting pipetting

Secured Volume Setting

- Volume lock prevents accidental volume changes while pipetting
- Large, easy-to-read volume display minimizes the risk of volume-setting errors

Thermal Insulation of Internal Components to Improve Accuracy

- Improves accuracy in long pipetting series

Optiload for Perfect Tip Sealing

- Allows loading with an equal constant force onto every channel
- Enables perfect tip sealing onto every individual tip cone
- Makes tip ejection light and easy
- Available in single and multichannel models

Safe-Cone Filters

- Prevent contamination
- In all models > 10 µl
- Unique filter ejection mechanism for easy removal

Materials Have High Chemical and UV-Resistance

- Highly durable and long-lasting pipette

Fully Autoclavable without Disassembly

- Easy to steam-sterilize, improves purity

Only Three Parts to Disassemble

- Very easy to clean and maintain
- Improves purity and secures functionality



mLINE® – Specifications & Pricing

Model	Channel	Volume Range (µl)	Increment (µl)	Test Volume (µl)	System.		Random		Safe-Cone Filters		Optifit Tips (µl)	SafetySpace Filter Tips (µl)	US List Price (\$)	
					Error (%)	Error (µl)	Error (%)	Error (µl)	Standard	Plus				
725010	1	●	0.1-3	0.002	3	0.042	1.40	0.024	0.80	-	-	10	10	395
					1.5	0.039	2.60	0.024	1.60					
					0.3	0.030	10.00	0.018	6.00					
725020	1	●	0.5-10	0.01	10	0.100	1.00	0.060	0.60	-	-	10	10	395
					5	0.075	1.50	0.050	1.00					
					1	0.030	3.00	0.020	2.00					
725030	1	●	2-20	0.02	20	0.200	1.00	0.100	0.50	721014	-	200	20	395
					10	0.140	1.40	0.090	0.90					
					2	0.080	4.00	0.060	3.00					
725050	1	●	10-100	0.10	100	0.80	0.80	0.20	0.20	721008	721018	200	120	395
					50	0.50	1.00	0.20	0.40			350		
					10	0.30	3.00	0.10	1.00					
725060	1	●	20-200	0.20	200	1.20	0.60	0.40	0.20	721007	721017	200	200	395
					100	0.80	0.80	0.30	0.30			350	300	
					20	0.46	2.30	0.18	0.90					
725070	1	●	100-1000	1.00	1000	7.0	0.70	2.0	0.20	721006	721016	1000	1000	395
					500	4.0	0.80	1.0	0.20					
					100	2.5	2.50	0.6	0.60					
725080	1	●	500-5000	10.0	5000	30	0.60	10	0.20	721005	721015	5000	-	395
					2500	17.5	0.70	7.5	0.30					
					500	12	2.40	3	0.60					
725090	1	●	1-10 ml	20.0	10000	60	0.60	20	0.20	721005	721015	10 000	-	395
					5000	60	1.20	15	0.30					
					1000	30	3.00	6	0.60					
725120	8	●	0.5-10	0.01	10	0.150	1.50	0.100	1.00	-	-	10	10	935
					5	0.125	2.50	0.100	2.00					
					1	0.055	5.50	0.040	4.00					
725130	8	●	5-100	0.10	100	0.90	0.90	0.40	0.40	721008	721018	200	120	935
					50	0.60	1.20	0.35	0.70			350		
					10	0.40	4.00	0.20	2.00					
725140	8	●	30-300	0.20	300	1.80	0.60	0.75	0.25	721007	721017	350	300	935
					150	1.50	1.00	0.75	0.50					
					30	0.75	2.50	0.30	1.00					
725220	12	●	0.5-10	0.01	10	1.5	0.150	0.100	1.00	-	-	10	10	1,120
					5	2.5	0.125	0.100	2.00					
					1	5.5	0.055	0.040	4.00					
725230	12	●	5-100	0.10	100	0.90	0.90	0.40	0.40	721008	721018	200	120	1,120
					50	0.60	1.20	0.35	0.70			350		
					10	0.40	4.00	0.20	2.00					
725240	12	●	30-300	0.20	300	1.80	0.60	0.75	0.25	721007	721017	350	300	1,120
					150	1.50	1.00	0.75	0.50					
					30	0.75	2.50	0.30	1.00					

The listed systematic and random error values can be achieved only under strictly controlled conditions during type tests per ISO 8655. Pipettes are tested at factory default speed settings. Due to the continuous product development by Sartorius, the systematic and random error values are subject to change without notice.

Accessories

Item	Description	US List Price (\$)
LH-725630	Carousel Stand for 6 pipettes	132
725610	Pipette Holder for one pipette	8.40
725620	Linear Stand	132
726203	Calibration tool Tube opener	46
726001	Color coding caps, 5 pcs	33
Pre-Delivery Calibration Certificates (for more info, see page 221)		
84JOP01	Single Channel 5.3 Calibration Mechanical Pipette	62
84JOP02	(8) Channel 5.3 Calibration Mechanical Pipette	96
84JOP10	(12) Channel 5.3 Calibration Mechanical Pipette	120
Extended Warranty (for more info, see page 226)		
84WAP01	12 months Mechanical Single Channel Pipette	113
84WAP02	12 months Mechanical (8) Channel Pipette	205
84WAP10	12 months Mechanical (12) Channel Pipette	235



Carousel Stand

mLINE® Pipette Multipacks

With the mLINE® Multipacks you can affordably replace your used mechanical pipettes with new ones or set up new workstations for every researcher. A set of three to five mLINE® mechanical pipettes, a Linear Stand and racks of matching tips are included in each pack.



Specifications & Pricing

Item	Description	US List Price (\$)
LH-725661	mLINE® Pipette 3-pack 10 – mLINE® pipettes 0.5-10 µl, 10-100 µl, 100-1000 µl – Sartorius Optifit Tip tray box 0.2-10 µl, 0.5-200 µl, 10-1000 µl – Linear Stand	740
LH-725662	mLINE® Pipette 3-pack 20 – mLINE® pipettes 2-20 µl, 20-200 µl, 100-1000 µl – Sartorius Optifit Tip tray box 0.5-200 µl, 10-1000 µl – Linear Stand	740
LH-725663	mLINE® Pipette 4-pack – mLINE® pipettes 0.5-10 µl, 10-100 µl, 20-200 µl, 100-1000 µl – Sartorius Optifit Tip tray box 0.2-10 µl, 0.5-200 µl, 10-1000 µl – Linear Stand	920
LH-725664	mLINE® Pipette 5-pack – mLINE® pipettes 2-20 µl, 10-100 µl, 20-200 µl, 100-1000 µl, 500-5000 µl – Sartorius Optifit Tip tray box 0.5-200 µl, 10-1000 µl, 5000 µl – Linear Stand	1,085
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 – Sartorius Optifit Tip tray box 0.2-10 µl, 0.5-200 µl, 5-350 µl, 10-1000 µl – Linear Stand	1,265

Tacta Pipette Multipacks

Tacta® Multipacks offer complete sets of pipettes and accessories with eight options that include:

- Mechanical Tacta® pipettes
- Linear Stand
- Matching Optifit Tips
- Pipette Holders



Specifications & Pricing

Item	Description	US List Price (\$)
LH-729670	Tacta® Pipette 3-pack 10 – Tacta® pipettes 0.5-10 µl, 10-100 µl, 100-1000 µl (1 channel) – Sartorius Optifit Tip rack (96 tips) 0.2-10 µl, 0.5-200 µl, 10-1000 µl – Linear Stand & Pipette Holder x3	810
LH-729671	Tacta® Pipette 3-pack 20 – Tacta® pipettes 2-20 µl, 20-200 µl, 100-1000 µl (1 channel) – Sartorius Optifit Tip rack (96 tips) 0.5-200 µl, 10-1000 µl – Linear Stand & Pipette Holder x3	810
LH-729672	Tacta® Pipette 4-pack 20 – Tacta® pipettes 0.5-10 µl, 2-20 µl, 20-200 µl, 100-1000 µl (1 channel) – Sartorius Optifit Tip rack (96 tips) 0.1-10 µl, 0.5-200 µl, 10-1000 µl – Linear Stand & Pipette Holder x4	1,020
LH-729673	Tacta® Pipette 4-pack 100 – Tacta® pipettes 0.5-10 µl, 10-100 µl, 20-200 µl, 100-1000 µl (1 channel) – Sartorius Optifit Tip rack (96 tips) 0.1-10 µl, 0.5-200 µl, 10-1000 µl – Linear Stand & Pipette Holder x4	1,020
LH-729674	Tacta® Pipette 5-pack 10 – Tacta® pipettes 0.5-10 µl, 10-100 µl, 20 - 200 µl, 100-1000 µl, 500-5000 µl (1 channel) – Sartorius Optifit Tip Rack (96 tips) 0.1-10 µl, 0.5-200 µl, 10-1000 µl, Tip Rack (50 tips) 5000 µl – Linear Stand & Pipette Holder x5	1,190
LH-729675	Tacta® Pipette 5-pack 20 – Tacta® pipettes 2-20 µl, 10-100 µl, 20-200 µl, 100-1000 µl, 500-5000 µl (1 channel) – Sartorius Optifit Tip rack (96 tips) 0.5-200 µl, 10-1000 µl, Tip Rack (50 tips) 5000 µl – Linear Stand & Pipette Holder x5	1,190
LH-729676	Tacta® Pipette 3 + 1 pack – Tacta® pipettes 0.5-10 µl, 20-200 µl, 100-1000 µl (1 channel), 30- 300 µl (8 channel) – Sartorius Optifit Tip rack (96 tips) 0.1-10 µl, 0.5-200 µl, 5-350 µl, 10-1000 µl – Linear Stand & Pipette Holder x4	1,385
LH-729677	Tacta® Pipette 3-pack max – Tacta® pipettes 100-1000 µl, 500-5000 µl, 1-10 ml – Sartorius Optifit Tip rack - 10-1000 µl (96 tips), 0.1-5 ml (50 tips), 1-10 ml (35 tips) – Linear Stand & Pipette Holder x3	810

Proline® Plus Mechanical Pipettes

Dependable Durability

Proline® Plus is designed to offer comfort and quality in every day manual pipetting. While it shares many of the excellent features of mLINE®, it has a personal design and a durable feel for heavier use. In addition, it has the widest pipette range, including fixed volume pipettes, for when volumes need to be ready-set to avoid errors. Proline® Plus pipettes are an excellent choice for both experienced laboratory professionals and students.



Features & Benefits

Wide variety of adjustable, single and multichannel models

- Fixed volume pipettes for specific applications to avoid volume setting errors

Low Pipetting Forces & Ergonomic Finger Support

- Reduces the risk of repetitive strain injury (RSI)

Easy-to-read Volume Display

- Large, easy-to-read volume display minimizes the risk of volume-setting errors

Thermal Insulation of Internal Components

- Improves accuracy in long pipetting series

Optiload for Perfect Tip Sealing on Multi-Channel Models

- Allows tip loading with an equal constant force onto every channel
- Enables perfect tip sealing onto every individual tip cone
- Makes tip ejection light and easy

Safe-Cone Filters

- Prevent contamination
- In all models > 10 µl

Materials have High Chemical and UV-Resistance

- Highly durable and long lasting pipette

Fully Autoclavable without Disassembly

- Easy to steam-sterilize, improves purity

Only Three Parts to Disassemble

- Very easy to clean and maintain
- Improves purity and secures functionality



Proline® Plus – Specifications & Pricing

Model	Channel	Volume Range (µl)	Increment (µl)	Test Volume (µl)	System.	System.	Random	Random	Safe-Cone Filters		Optifit Tips (µl)	SafetySpace Filter Tips (µl)	US List Price (\$)
					Error (%)	Error (µl)	Error (%)	Error (µl)	Standard	Plus			
728010	1 ●	0.1 – 3	0.002	3	1.40	0.042	0.80	0.024	–	–	10	10	255
				1.50	2.60	0.039	1.60	0.024					
				3	10.00	0.030	6.00	0.018					
728020	1 ●	0.5 – 10	0.01	10	1.00	0.100	0.60	0.060	–	–	10	10	255
				5	1.50	0.075	1.00	0.050					
				1	3.00	0.030	2.00	0.020					
728030	1 ●	2 – 20	0.02	20	1.00	0.200	0.50	0.100	721014	–	200	20	255
				10	1.40	0.140	0.90	0.090					
				2	4.00	0.080	3.00	0.020					
728040	1 ●	5 – 50	0.10	50	1.00	0.500	0.30	0.150	721008	721018	200	120	255
				25	1.40	0.350	0.50	0.125					
				5	3.00	0.150	1.50	0.075					
728050	1 ●	10 – 100	0.10	100	0.80	0.80	0.20	0.20	721008	721018	200	120	255
				50	1.00	0.50	0.40	0.20	350				
				10	3.00	0.30	1.00	0.10					
728060	1 ●	20 – 200	0.20	200	0.60	1.20	0.20	0.40	721007	721017	200	200	255
				100	0.80	0.80	0.30	0.30	350	300			
				20	2.30	0.46	0.90	0.18					
728070	1 ●	100 – 1000	1.00	1000	0.70	7.0	0.20	2.0	721006	721016	1000	1000	255
				500	0.80	4.0	0.20	1.0					
				100	2.50	2.5	0.60	0.6					
728080	1 ●	500 – 5000	10.0	5000	0.60	30	0.20	10	721005	721015	5000	–	255
				2500	0.70	17.5	0.30	7.5					
				500	2.40	12	0.60	3					
728090	1 ●	1 – 10 ml	20.0	10000	0.60	60	0.20	20	721005	721015	10 000	–	255
				5000	1.20	60	0.30	15					
				1000	3.00	30	0.60	6					
728120	8 ●	0.5 – 10	0.01	10	1.50	0.150	1.00	0.100	–	–	10	10	695
				5	2.50	0.125	2.00	0.100					
				1	5.50	0.055	4.00	0.040					
728130	8 ●	10 – 100	0.10	100	0.90	0.90	0.40	0.40	721008	721018	200	120	695
				50	1.20	0.60	0.70	0.35	350				
				10	4.00	0.40	2.00	0.20					
728140	8 ●	30 – 300	0.20	300	0.60	1.80	0.25	0.75	721007	721017	350	300	695
				150	1.00	1.50	0.50	0.75					
				30	2.50	0.75	1.00	0.30					
728220	12 ●	0.5 – 10	0.01	10	1.50	0.150	1.00	0.100	–	–	10	10	850
				5	2.50	0.125	2.00	0.100					
				1	5.50	0.055	4.00	0.040					
728230	12 ●	10 – 100	0.10	100	0.90	0.90	0.40	0.40	721008	721018	200	120	850
				50	1.20	0.60	0.70	0.35	350				
				10	4.0	0.40	2.00	0.20					
728240	12 ●	30 – 300	0.20	300	0.60	1.80	0.25	0.75	721007	721017	350	300	850
				150	1.00	1.50	0.50	0.75					
				30	2.50	0.75	1.00	0.30					

The listed systematic and random error values can be achieved only under strictly controlled conditions during type tests per ISO 8655. Pipettes are tested at factory default speed settings. Due to the continuous product development by Sartorius, the systematic and random error values are subject to change without notice.

Proline® Plus Pipette Multipacks

Proline® Plus Multipacks offer complete sets of pipettes and accessories with eight options that include:

- Mechanical Proline® Plus pipettes
- Linear Stand
- Matching Optifit Tips
- Pipette Holders



Specifications & Pricing

Item	Description	US List Price (\$)
LH-728670	Proline® Plus Pipette 3-pack 10 – Proline® Plus pipettes 0.5-10 µl, 10-100 µl, 100-1000 µl (1 channel) – Sartorius Optifit Tip rack (96 tips) 0.1-10 µl, 0.5-200 µl, 10-1000 µl – Linear Stand & Pipette Holder x3	555
LH-728671	Proline® Plus Pipette 3-pack 20 – Proline® Plus pipettes 2-20 µl, 20-200 µl, 100-1000 µl – Sartorius Optifit Tip rack (96 tips) 0.5-200 µl, 10-1000 µl – Linear Stand & Pipette Holder x3	555
LH-728672	Proline® Plus Pipette 4-pack 20 – Proline® Plus pipettes 0.5-10 µl, 2-20 µl, 20-200 µl, 100-1000 µl (1 channel) – Sartorius Optifit Tip rack (96 tips) 0.1-10 µl, 0.5-200 µl, 10-1000 µl – Linear Stand & Pipette Holder x4	700
LH-728673	Proline® Plus Pipette 4-pack 100 – Proline® Plus pipettes 0.5-10 µl, 10-100 µl, 20-200 µl, 100-1000 µl (1 channel) – Sartorius Optifit Tip rack (96 tips) 0.1-10 µl, 0.5-200 µl, 10-1000 µl – Linear Stand & Pipette Holder x4	700
LH-728674	Proline® Plus Pipette 5-pack 10 – Proline® Plus pipettes 0.5-10 µl, 10-100 µl, 20-2000 µl, 100-1000 µl, 5000 - 5000 µl , (1 channel), 30-300 µl (8-channel) – Sartorius Optifit Tip Tip Rack (96 tips) 0.1-10 µl, 0.5-200 µl, 10-1000 µl, Tip Rack (50 tips) 5000 µl – Linear Stand & Pipette Holder x5	815
LH-728675	Proline® Plus Pipette 5-pack 20 – Proline® Plus pipettes 2-20 µl, 10-100 µl, 20-200 µl, 100-1000 µl, 500-5000 µl (1 channel) – Sartorius Optifit Tip rack (96 tips) 0.5-200 µl, 10-1000 µl, Tip Rack (50 tips) 5000 µl – Linear Stand & Pipette Holder	815
LH-728676	Proline® Plus Pipette 3 + 1 pack – Proline® Plus pipettes 0.5-10 µl, 20-200 µl, 100-1000 µl (1 channel), 30- 300 µl (8 channel) – Sartorius Optifit Tip rack (96 tips) 0.1-10 µl, 0.5-200 µl, 5-350 µl, 10-1000 µl – Linear Stand & Pipette Holder x4	1,000
LH-728677	Proline® Plus Pipette 3-pack max – Proline® Plus pipettes 100-1000 µl, 500-5000 µl, 1-10 ml – Sartorius Optifit Tip rack - 10-1000 µl (96 tips), 0.1-5 ml (50 tips), 1-10 ml (35 tips) – Linear Stand & Pipette Holder x3	555

Proline® Plus FIXED Volume, Single-channel – Specifications & Pricing

Model	Channels	Volume (µl)	Increment (µl)	Test Volume (µl)	System. Error (%)	System. Error (µl)	Random Error (%)	Random Error (µl)	Safe-Cone Filters Standard	Safe-Cone Filters Plus	Optifit Tips (µl)	SafetySpace™ Filter Tips (µl)	US List Price (\$)
728515	1	5	–	5	1.30	5	1.20	0.060	–	–	10	10	192
728520	1	10	–	10	0.80	10	0.80	0.080	–	–	10	10	192
728530	1	20	–	20	0.60	20	0.50	0.100	721014	–	200	20	192
728535	1	25	–	25	0.50	25	0.30	0.075	721008	721018	200	120	192
728545	1	50	–	50	0.50	50	0.30	0.150	721008	721018	200	120	192
728550	1	100	–	100	0.50	100	0.30	0.30	721008	721018	200 350	120	192
728560	1	200	–	200	0.40	200	0.20	0.40	721007	721017	200 350	200 300	192
728565	1	250	–	250	0.40	250	0.20	0.50	721006	721016	1000	500 1000	192
728567	1	500	–	500	0.30	500	0.20	1.00	721006	721016	1000	500 1000	192
728570	1	1000	–	1000	0.30	1,000	0.20	2.0	721006	721016	1000	1000	192
728575	1	2000	–	2000	0.30	2,000	0.15	3.0	721005	721015	5000	–	192
728580	1	5000	–	5000	0.30	5,000	0.15	7.5	721005	721015	5000	–	192
728590	1	10 ml	–	10000	0.60	10,000	0.20	20	721005	721015	10000	–	192

The listed systematic and random error values can be achieved only under strictly controlled conditions during type tests per ISO 8655. Pipettes are tested at factory default speed settings. Due to the continuous product development by Sartorius, the systematic and random error values are subject to change without notice.

Accessories

Item	Description of Upgrade	US List Price (\$)
LH-725630	Carousel Stand for 6 pipettes	132
725610	Pipette Holder for one pipette	8.40
725620	Linear Stand	132
726203	Calibration tool Tube opener	46
Pre-Delivery Calibration Certificates (for more info, see page 221)		
84JOP01	Single Channel 5.3 Calibration Mechanical Pipette	62
84JOP02	(8) Channel 5.3 Calibration Mechanical Pipette	96
84JOP10	(12) Channel 5.3 Calibration Mechanical Pipette	120
Extended Warranty (for more info, see page 226)		
84WAP01	12 months Mechanical Single Channel Pipette	113
84WAP02	12 months Mechanical (8) Channel Pipette	205
84WAP10	12 months Mechanical (12) Channel Pipette	235



Pipette Holder



Optifit Tips

Perfect Match to Sartorius Pipettes

In liquid handling, pipetting results are dependent not on the pipette or the tip alone, but a combination of these and the comfort of the user. Optifit Tips are designed and manufactured as a perfect fit for our pipettes, enabling maximal accuracy, precision and ergonomics. Manufacturing the tips in our own production facility allows us to maintain the highest quality and purity standards throughout the manufacturing process.



Features

- Perfect fitting and sealing with Sartorius pipettes
- Compatible also with most other pipette makes (see compatibility with other manufacturers' pipettes at www.sartorius.com)
- Manufactured using diamond polished molds to obtain even surface for enhanced sample recovery
- Packaging and purity options for all needs
- All tip packages, including individual racks, are lot numbered for full traceability
- The highest quality virgin polypropylene (PP) used as a raw material
- Color coding of the tip trays to match compatible Sartorius pipettes

Benefits

Reliable Results

- Perfect fitting and sealing with Sartorius pipettes guarantee the given pipette specifications
- All Sartorius tips are manufactured according to ISO 9001, ISO 14001 and ISO 13485 standards
- High Quality = correct shape, size, material, purity and uniformity
- Color coding of the tip trays allows easy matching with a suitable color coded Sartorius pipette

Sample Safety

- Manufactured in ISO Class 8 certified cleanroom conditions, using highly automated production to avoid contamination
- Every tip lot is tested by an external partner, and certified for being DNase, RNase and endotoxin free
- Autoclavable (20 minutes at 121 °C, 1 bar (15 psi)).
- Pre-sterilized tips are e-beam irradiated

Less Risk for RSI (repetitive strain injury)

- Compatible with Optiload feature in Sartorius Picus® NxT, Picus®, Tacta®, mLINE® and Proline® Plus pipettes enabling ergonomic and light tip attachment and ejection



Optifit Tips, Refill Pack



Optifit Tips, Single Tray



Optifit Tips, Bulk in Box



Optifit Tips, Refill Tower



Optifit Tips, FlexiBulk

Optifit Tips – Specifications & Pricing

Model	Volume Range	Packaging	Pre-sterilized	Qty/Unit	US List Price (\$)
790010	● 0.1 – 10 µl	Single Tray		10 × 96	81
790011		Single Tray	•	10 × 96	107
790012		Refill Tower		10 × 96	55
790013		Refill Pack	•	20 × 96	143
783210	● 0.1 – 10 µl	Single Tray		10 × 96	75
783211	Extended	Single Tray	•	10 × 96	86
790200	● 0.5 – 200 µl	Single Tray		10 × 96	68
790201		Single Tray	•	10 × 96	70
790202		Refill Tower		10 × 96	40
790203		Refill Pack	•	15 × 96	96
790350	● 5 – 350 µl	Single Tray		10 × 96	70
790351		Single Tray	•	10 × 96	96
790352		Refill Tower		10 × 96	47
790353		Refill Pack	•	15 × 96	86
791000	● 10 – 1000 µl	Single Tray		10 × 96	68
791001		Single Tray	•	10 × 96	86
791002		Refill Pack		10 × 96	40
791003		Refill Pack	•	10 × 96	65
791020	● 10 – 1000 µl	Single Tray		10 × 96	70
791021	Wide bore tip	Single Tray	•	10 × 96	92
791200	● 50 – 1200 µl	Single Tray		10 × 96	81
791201		Single Tray	•	10 × 96	101
791202		Refill Pack		10 × 96	55
791203		Refill Pack	•	10 × 96	75
791210*	● 50 – 1200 µl	Single Tray		10 × 96	96
791211*		Single Tray	•	10 × 96	122
791212*		Refill Pack		10 × 96	117
791213*		Refill Pack	•	10 × 96	138
780304+	● 100 – 5000 µl	Single Tray		50	16
780300		Bulk in Box		100	28
780305+		Single Tray	•	50	19
LH-780314	● 1-10 ml	Single Tray		35	26

*Extended length: 90 mm *Minimum order quantity of 10 (10x50). Must order in multiples of 10

NOTE: The best compatibility is achieved when combining Sartorius pipettes and Sartorius tips. The systematic error and random error results, in tests, have been achieved using the listed Sartorius tips and pipettes.

Model	Item	Tip Type (Non-filter tips)	Racks/Unit	US List Price (\$)
Empty Tip Boxes for Refill System (Tips and Trays are Not Included)				
790910	Empty Tip Box for Refill System	10, 200, 350 µl	10	13
790920	Empty Tip Box for Refill System	1000, 1200 µl	10	13

Model	Volume Range (µl)	Length (mm)	Purity Level	Qty.	US List Price (\$)
Optifit Tips, FlexiBulk					
LH-B790204	0.5-200	51	RNase, DNase, endotoxin free	960	36
LH-B790354	5-350	54	RNase, DNase, endotoxin free	960	36
LH-B791004	10-1000	71.5	RNase, DNase, endotoxin free	480	22
LH-B791024#	10-1000 WB	68.5	RNase, DNase, endotoxin free	480	22
LH-B791204	50-1200	71.5	RNase, DNase, endotoxin free	480	22

Tip with wide bore

Optifit Tips, Standard bulk packages					
790014	0.1-10	31.5	-	1,000	37
780300	100-5000	150	-	100	28
780308	100-5000	150	-	1,000	153
LH-780316	1-10 ml	155	-	250	117

All Refill Pack and Single Tray packed tips are free of RNase, DNase and endotoxins.