

## ■ Tacta® Mechanical Pipettes

### Perfectly Balanced



Tacta's Optilock feature helps to prevent accidental volume changes during pipetting.



Easy adjustment ensures accurate results with a variety of liquids. The handy adjustment key is included in the package.



Unique to Tacta®, is its Safe-Cone Filter ejector, which enables the removal of used filters without tweezers or human contact with contaminated filters.

Have you ever considered the overall user experience in pipetting? We have.

Sartorius proudly presents Tacta®, the new premium mechanical pipette with superb comfort and reliability. Tacta® makes pipetting effortless and safe, while producing accurate and reliable results time after time.

At Sartorius, 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 of Tacta®. Tacta® is designed to feel great in your hand, and it is easy and comfortable to use. All materials used for Tacta® have been carefully selected, and each component is designed to meet the highest standards.

#### Superior Ergonomics

Tacta® rests lightly in your hand thanks to its ergonomically designed handle and finger hook. Tacta® is effortless to use and exceptionally comfortable to hold. Tacta® eases your workload and protects you from strain, even when you pipette for extended periods of your working day. The unique handle and finger hook design lets the pipette rest lightly in your hand, with no need to grip the handle tightly. Tacta® is effortless to use and exceptionally comfortable to hold. Tacta® eases your workload and protects you from strain, even when you pipette for extended periods of your working day. The unique handle and finger hook design lets the pipette rest lightly in your hand, with no need to grip the handle tightly.

#### Low Pipetting, Tip Loading and Ejection Forces

The forces needed for a pipetting cycle, from tip attachment to pipetting and finally tip ejection, are exceptionally low with Tacta®, protecting you from Work Related Upper Limb Disorder (WRULD). The Optiload feature, with spring-loaded tip cones in both the single and multichannel models, secures tip loading with perfect sealing and minimal force. Consequently, Optiload also ensures light tip ejection to protect your hand. The light tip ejection is further enhanced by Sartorius Optiject, the soft, levered tip ejection feature that lets the tip detach in a smooth, controlled way with little force.

#### Large, Clear Display

The large, easy-to-read display helps you to see all four digits of the set volume from a distance without straining your eyes. The volume is easy to read even when the pipette is angled – eliminating the need to turn your head into an uncomfortable position.

#### Adjustment

Tacta® is very easy to adjust, for various types of liquids, using a simple adjustment key. The adjustment scale shows the degree of adjustment. By noting this value for a specific liquid, you can return to that setting any time. Easy calibration adjustment ensures accurate results with a variety of liquids.

#### Volume Adjustment

Use the Sartorius Optilock feature to prevent accidental volume changes during pipetting. Either hold down the volume lock button with one hand and adjust the volume with the other, then release to lock, or with just one hand, slide the volume lock up, adjust the volume and slide down to lock again. The choice is in your hands.

#### Safe-Cone Filters

The exchangeable Safe-Cone Filters, used in pipette tip cones, act as barriers to reduce the risk of contaminating the internal components of the pipette. The unique Safe-Cone Filter ejector enables the removal of used filters without human contact with contaminated filters. Safe-Cone Filters are available for all Tacta® models greater than 10 µl and offer a cost-effective method to reduce contamination. Filters should be changed regularly, and always after over-aspiration.

#### 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. It has also high UV and chemical resistance.

### □ Features and 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
- 4-digit display for accurate and easy volume setting

#### Safe from Contamination

- Safe-Cone Filters provide cost-effective contamination prevention
- Easy to clean, with only three parts to disassemble
- Fully autoclavable



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winner

### Ordering Information

Tacta® Order Code	Channels	Volume Range (µl)	Increment (µl)	Test Volume (µl)	Systematic Error <sup>N</sup> Limit ± (%) (µl)	Random Error <sup>N</sup> Limit (%) (µl)
LH-729010	1	0.1 – 3	0.002	3 1.5 0.3	1.4 0.042 2.6 0.039 10.0 0.030	0.8 0.024 1.6 0.024 6.0 0.018
LH-729020	1	0.5 – 10	0.01	10 5 1	1.0 0.100 1.5 0.075 3.0 0.030	0.6 0.060 1.0 0.050 2.0 0.020
LH-729030	1	2 – 20	0.02	20 10 2	1.0 0.200 1.4 0.140 4.0 0.080	0.5 0.100 0.9 0.090 3.0 0.060
LH-729050	1	10 – 100	0.10	100 50 10	0.8 0.80 1.0 0.50 3.0 0.30	0.2 0.20 0.4 0.20 1.0 0.10
LH-729060	1	20 – 200	0.20	200 100 20	0.6 1.20 0.8 0.80 2.3 0.46	0.2 0.40 0.3 0.30 0.9 0.18
LH-729070	1	100 – 1,000	1.00	1,000 500 100	0.7 7.0 0.8 4.0 2.5 2.5	0.2 2.0 0.2 1.0 0.6 0.6
LH-729080	1	500 – 5,000	5.0	5,000 2,500 500	0.6 30 0.7 17.5 2.4 12	0.2 10 0.3 7.5 0.6 3
LH-729090	1	1,000 – 10,000	10.0	10,000 5,000 1,000	0.6 60 1.2 60 3.0 30	0.2 20 0.3 15 0.6 6
LH-729120 LH-729220	8 12	0.5 – 10	0.01	10 5 1	1.5 0.150 2.5 0.125 5.5 0.055	1.0 0.100 2.0 0.100 4.0 0.040
LH-729130 LH-729230	8 12	5 – 100	0.10	100 50 10	0.9 0.90 1.2 0.60 4.0 0.40	0.4 0.40 0.7 0.35 2.0 0.20
LH-729140 LH-729240	8 12	30 – 300	0.20	300 150 30	0.6 1.80 1.0 1.50 2.5 0.75	0.25 0.75 0.5 0.75 1.0 0.30

<sup>N</sup> Note: The listed systematic and random error values can be achieved only under strictly controlled conditions during type tests per ISO 8655. Due to the continuous product development by Sartorius, the systematic and random error values are subject to change without prior notice.

### Tip Selection Guide

Pipette Colour-Code	Safe-Cone Filters Standard Plus	Optifit Tip <sup>LRT</sup> Colour-Code	Volume	SafetySpace Tip <sup>LRT</sup> Colour-Code	Volume
●	-	●	0.1 – 10 µl	●	0.1 – 10 µl
●	-	●	0.1 – 10 µl	●	0.1 – 10 µl
●	721008 721018	●	0.5 – 200 µl	●	0.5 – 20 µl
●	721008 721018	● ●	0.5 – 200 µl 5 – 350 µl	●	2 – 120 µl
●	721007 721017	● ●	0.5 – 200 µl 5 – 350 µl	● ●	5 – 200 µl 5 – 300 µl
●	721006 721016	●	10 – 1,000 µl	●	50 – 1,000 µl
●	721005 721015	●	100 – 5,000 µl	-	-
●	721005 721015	●	500 – 10,000 µl	-	-
●	-	●	0.1 – 10 µl	●	0.1 – 10 µl
●	721008 721018	● ●	0.5 – 200 µl 5 – 350 µl	●	5 – 200 µl
●	721007 721017	●	5 – 350 µl	●	5 – 300 µl

<sup>LRT</sup> Note: Low Retention Tips are available in volumes up to 1 200 µl. 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 Sartorius Optifit tips.

### ☐ Tacta® Multipacks Smart and Complete Set of Pipettes and Accessories

Choose from a range of eight Multipacks that include a selection of Tacta® Mechanical Pipettes, a Linear Stand, matching Optifit Tips, and Pipette Holders.

### ☐ Ordering Information

Multipack Order Code	Tacta® Pipettes	Optifit Tips	Accessories
<b>Tacta® Pipette 3 – pack 10</b> LH – 729670	1-channel – 0.5 – 10 µl – 10 – 100 µl – 100 – 1,000 µl	Tip Racks (96 tips) – 0.2 – 10 µl – 0.5 – 200 µl – 10 – 1,000 µl	Linear Stand
<b>Tacta® Pipette 3 – pack 20</b> LH – 729671	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
<b>Tacta® Pipette 4 – pack 20</b> LH – 729672	1-channel – 0.5 – 10 µl – 2 – 20 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
<b>Tacta® Pipette 4 – pack 100</b> LH – 729673	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
<b>Tacta® Pipette 5 – pack 10</b> LH – 729674	1-channel – 0.5 – 10 µl – 10 – 100 µl – 20 – 200 µl – 100 – 1,000 µl – 500 – 5,000 µl	Tip Racks (96 tips) – 0.1 – 10 µl – 0.5 – 200 µl – 10 – 1,000 µl Tip Rack (50 tips) – 100 – 5,000 µl	Linear Stand
<b>Tacta® Pipette 5 – pack 20</b> LH – 729675	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) – 100 – 5,000 µl	Linear Stand
<b>Tacta® Pipette 3+1 – pack</b> LH – 729676	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
<b>Tacta® Pipette 3 – pack max</b> LH – 729677	1-channel – 100 – 1,000 µl – 500 – 5,000 µl – 1,000 – 10,000 µl	Tip Racks – 10 – 1,000 µl (96 tips) – 100 – 5,000 µl (50 tips) – 500 – 10,000 µl (35 tips)	Linear Stand

