

Tacta Manual Pipettes

Optimal Care for You and Your Science



Tacta is a premium manual pipette featuring superb ergonomics and reliability. Designed with your comfort in mind, Tacta makes pipetting effortless and safe, while producing accurate and reliable results time after time. Extensive experience and state-of-the-art Research and Development have been combined with the highest standards to create the exceptionally balanced design of Tacta.

Features

Available in volume range from 0.1 to 10,000 μ l in single channel models and from 0.5 to 300 μ l in multichannel models.

- Low pipetting cycle forces reduces the risk of WRULD (Work Related Upper Limb Disorder)
- Ergonomic design for comfortable pipetting
- Optiload feature in both single and multichannel models for easy and light tip loading with perfect tip sealing
- Optijet soft tip ejection feature detaches the tip in a smooth, controlled manner
- Optilock's dual-function volume locking prevents accidental volume changes
- Easy-to-read, four-digit volume display helps to set exact volumes without eye strain
- Colour-coding of volumes to ease the selection of corresponding pipette tips
- Safe-Cone Filters available for models above 10 μ l with convenient built-in filter ejection mechanism
- Fully autoclavable without disassembling
- Simple to clean and maintain with only three parts to disassemble
- Easy calibration adjustment with simple key and scale
- High chemical and UV-resistance to ensure a long life span for the pipette

















Technical Specifications	
Weight	79 g (1-ch, 1000 μ l) 138 g (8-ch, 300 μ l)
Length	138 mm (1-ch, 1000 μ l) 140 mm (8-ch, 300 μ l)
Autoclavability	Fully autoclavable (121 C, 20 min, 1 bar)
UV-resistance	High Wavelength: shortwave ultraviolet (254 nm) Power: 2x20 W (twin tubes) Distance from lamp to table surface: 620 mm Fixture type: UVP XX-20S
Pipetting principle	Air displacement
Pipetting modes	Pipetting (P) Reverse Pipetting (rP) Post-delivery mixing
Volume Adjustment	The calibration of Tacta is based on ISO 8655-6: gravimetric test method for volumetric instruments. It has been factory-checked using the forward-pipetting technique and certified according to ISO 3696 at 22 C using grade-3 distilled water.
Stand options	Carousel Stand for 6 pipettes Linear Stand Pipette Holder for one pipette (included in the pipette package)
Safe-cone filter ejector	Built-in ejector
Limitations	The accuracy and precision values are valid under the controlled conditions described in ISO 8655. Test temperature: +20 C to +25 C +/- 0.5 C Humidity: 40-70%
Instrument use outside +20 C to +25 C	When using instruments outside this temperature range, the correction factor for water density (Z-value μ l/mg) must be used.
Transportation conditions	Temperature: -50 C to +50 C Humidity: 10-90% Shocks: < 10 G
Long-term storage conditions	Temperature: -20 C to 40 C Humidity: 10-60%
Warranty	2 years



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Ordering Information

Cat. No.	Channels	Volume Range (μl)	Colour Coding	Increment (μl)	Test Volume (μl)	Systematic Error* (%)	Random Error* (%)
LH-729010	1	0.1-3		0.002	3 1.5 0.3	1.30 2.40 10.00	0.80 1.60 6.00
LH-729020	1	0.5-10		0.01	10 5 1	1.00 1.50 2.50	0.60 1.00 1.50
LH-729030	1	2-20		0.02	20 10 2	0.90 1.20 3.00	0.40 1.00 2.00
LH-729050	1	10-100		0.10	100 50 10	0.80 1.00 2.00	0.15 0.40 1.00
LH-729060	1	20-200		0.20	200 100 20	0.60 0.80 2.30	0.15 0.30 0.90
LH-729070	1	100-1000		1.00	1000 500 100	0.70 0.70 2.00	0.20 0.20 0.50
LH-729080	1	500-5000		10.0	5000 2500 500	0.50 0.60 0.20	0.20 0.30 0.50
LH-729090	1	1000-10000		20.0	10000 5000 1000	0.60 1.20 3.00	0.20 0.30 0.60
LH-729120	8	0.5-10		0.01	10 5 1	1.50 2.50 4.00	1.00 2.50 4.00
LH-729130	8	5-100		0.10	100 50 10	0.70 1.00 3.00	0.25 0.70 1.50
LH-729140	8	30-300		0.20	300 150 30	0.60 1.00 2.00	0.25 0.50 1.00
LH-729220	12	0.5-10		0.01	10 5 1	1.50 2.50 4.00	1.00 2.50 4.00
LH-729230	12	5-100		0.20	100 50 10	0.70 1.00 3.00	0.25 0.70 1.50
LH-729240	12	30-300		0.20	300 150 30	0.60 1.00 2.00	0.25 0.50 1.00

*The listed systematic and random error values are only valid for pipetting mode and are achieved under strictly controlled conditions during type tests as per ISO 8655.

For more information and to order, visit our website at www.alphalabs.co.uk/tacta