

Proline®

The original Biohit mechanical pipette – Proline®

Almost 20 years in the top of the world of pipettes designed and manufactured by Biohit, Finland. In that time Proline pipettes have become a synonym for high quality. Working with Proline, you will get many years of reliable service. The Proline pipettes cover the volume range 0.1 μl to 5000 μl with 8 different adjustable single-channel and 8 adjustable multichannel models. Proline is also available in fixed volume single-channel models.





Proline - a good basic pipette

- Designed for many different types of routine laboratory work
- Lightweight design
- Good accuracy and precision
- Volume setting by click stops
- Full documentation, warranties and certificates
- Safe-Cone Filters to prevent internal contamination and damage

Tips on pages 52-53

Filters on page 56

Stand options available on page 21

Ergomate on page 60

Ergonomics on page 74

Pipette selection guide on page 81

Finger support keeps the instrument in place with minimum user effort

Volume setting by click stops

Tip ejector allows convenient one-handed operation

Digital display clearly reads volume setting

Ejector collar and tip cone can be removed for easy cleaning and maintenance

Durable tip cone materials provide excellent chemical resistance

All models > 10 µl offer replaceable Safe-Cone Filters to prevent internal contamination and damage

What's the difference?



Comparison of the pipetting forces needed. See page 81 for selection guide.

Proline Single-Channel Performance specifications and ordering details

Cat. No.	Channels	Volume Range (µl)	Increment (µl)	Test Volume (µl)	Inacc. (%)	Impr. (%)	Safe-Cone Filters		Tip ID
							Standard	Plus	
720005	1	0.1-2.5 µl	0.05	2.5 1.25 0.25	2.50 % 3.00 % 12.00 %	2.00 % 3.00 % 6.00 %	-	-	A, L, M
720000	1	0.5-10 µl	0.10	10 5 1	1.00 % 1.50 % 2.50 %	0.80 % 1.50 % 1.50 %	-	-	A, C, L, M, N
720080	1	2-20 µl	0.50	20 10 2	0.90 % 1.20 % 3.00 %	0.40 % 1.00 % 2.00 %	721008	721018	C, N, O
720020	1	5-50 µl	0.50	50 25 5	0.60 % 0.90 % 2.00 %	0.30 % 0.60 % 2.00 %	721008	721018	C, D, O
720050	1	10-100 µl	1.00	100 50 10	0.80 % 1.00 % 3.00 %	0.20 % 0.40 % 1.00 %	721007	721017	C, D, O, V, P, Q
720070	1	20-200 µl	1.00	200 100 20	0.60 % 0.80 % 2.50 %	0.20 % 0.30 % 0.80 %	721007	721017	C, D, P, Q
720060	1	100-1000 µl	5.00	1000 500 100	0.60 % 0.70 % 2.00 %	0.20 % 0.25 % 0.70 %	721006	721016	E, G, S
720110	1	1000-5000 µl	50.0	5000 2500 1000	0.50 % 0.60 % 0.70 %	0.20 % 0.30 % 0.30 %	721005	721015	J

FINAS Accredited Calibration Certificate (ISO 17025) available for new pipettes – see page 67 for details

The specifications are type test specifications achieved under strictly controlled conditions (ISO 8655). Due to Biohit's continuous R&D, specifications may change without prior notice.



Convenient pipette holder included with each pipette



Simply turn the plunger button for volume selection

Volume setting by click stops

Tip ejector works with dispensing head in any position

8- and 12-channel pipettes are available







Dispensing head rotates for optimum pipetting convenience

Individual piston/tip cone assemblies allow easy repair and maintenance

All models > 10 µl offer replaceable Safe-Cone Filters to prevent internal contamination and damage

Sequential tip ejection allows easy one-hand tip ejection

Tip cone design allows easy tip loading from trays and visual seal verification

-  Tips on pages 52-53
-  Filters on page 56
-  Stand options available on page 21
-  ErgoMate on page 60
-  Ergonomics on page 74
-  Pipette selection guide on page 81

Proline Multichannel Performance specifications and ordering details

Cat. No.	Channels	Volume Range (µl)	Increment (µl)	Test Volume (µl)	Inacc. (%)	Impr. (%)	Safe-Cone Filters		Tip ID
							Standard	Plus	
720210	8-channel	0.5-10 µl	0.10	10 5 1	1.50 % 2.50 % 4.00 %	1.50 % 2.50 % 4.00 %	-	-	A, L, M
720220	8-channel	5-50 µl	0.50	50 25 5	1.00 % 1.50 % 3.00 %	0.50 % 1.00 % 2.00 %	721014	-	C, D, O, V, P, Q
720240	8-channel	50-300 µl	5.00	300 150 50	0.70 % 1.00 % 1.50 %	0.25 % 0.50 % 0.80 %	721014	-	D, Q
720310	12-channel	0.5-10 µl	0.10	10 5 1	1.50 % 2.50 % 4.00 %	1.50 % 2.50 % 4.00 %	-	-	A, L, M
720320	12-channel	5-50 µl	0.50	50 25 5	1.00 % 1.50 % 3.00 %	0.50 % 1.00 % 2.00 %	721014	-	C, D, O, V, P, Q
720340	12-channel	50-300 µl	5.00	300 150 50	0.70 % 1.00 % 1.50 %	0.25 % 0.50 % 0.80 %	721014	-	D, Q

The specifications are type test specifications achieved under strictly controlled conditions (ISO 8655). Due to Biohit's continuous R&D, specifications may change without prior notice.










Proline carousel stand for 5 pipettes



See Proline features on pages 19–20

Fixed volume pipette has white display to differentiate it from adjustable volume Proline pipettes

-  Tips on pages 52–53
-  Filters on page 56
-  Ergomate on page 60
-  Ergonomics on page 74
-  Pipette selection guide on page 81

Stands & Accessories

Cat. No.	Item
721000	Proline Carousel Stand for 5 mechanical pipettes
725620	Linear Stand
721259	Proline Pipette Holder for 1 pipette
721234	Colour coding caps, 6 pcs

Proline Single-Channel FIXED Volume Performance specifications and ordering details

Cat. No.	Channels	Volume Range (µl)	Increment (µl)	Test Volume (µl)	Inacc. (%)	Impr. (%)	Safe-Cone Filters Standard	Plus	Tip ID
722001	1-channel	5 µl	-	5	1.30 %	1.20 %	-	-	A, C, L, M, N
722004	1-channel	10 µl	-	10	0.80 %	0.80 %	-	-	A, C, L, M, N
722010	1-channel	20 µl	-	20	0.60 %	0.50 %	721008	721018	C, D, N, O
722015	1-channel	25 µl	-	25	0.50 %	0.30 %	721008	721018	C, D, O
722020	1-channel	50 µl	-	50	0.50 %	0.30 %	721008	721018	C, D, O
722025	1-channel	100 µl	-	100	0.50 %	0.30 %	721007	721017	C, D, O, V, P, Q
722030	1-channel	200 µl	-	200	0.40 %	0.20 %	721007	721017	C, D, P, Q
722035	1-channel	250 µl	-	250	0.40 %	0.20 %	721006	721016	E, G, R, S
722040	1-channel	500 µl	-	500	0.30 %	0.20 %	721006	721016	E, G, R, S
722045	1-channel	1000 µl	-	1000	0.30 %	0.20 %	721006	721016	E, G, S
722050	1-channel	2000 µl	-	2000	0.30 %	0.15 %	721005	721015	J
722055	1-channel	5000 µl	-	5000	0.30 %	0.15 %	721005	721015	J

FINAS Accredited Calibration Certificate (ISO 17025) available for new pipettes – see page 67 for details

The specifications are type test specifications achieved under strictly controlled conditions (ISO 8655). Due to Biohit's continuous R&D, specifications may change without prior notice.