

MULTI CHANNEL PIPETTES

Fully autoclavable body

Recommended procedure:
20 minutes at 121°C.
No disassembly required.

Rotating manifold

Rotates 360°, enabling
pipetting in any direction
and at any angle.

Curved ejector bar

Reduces the force
required for ejection and
allows the pipette tips to
be pushed off in steps.

Movement

Firstly, two tips at
position 1 fall,
followed by two tips
at position 2, then
tips at positions 3 and
4 respectively.



Easily exchangeable counter

Choose between variable or
fixed volume controllers.
Lockable variable volume
controller. Fixed controllers
for routine work available
on request.

Ergonomic tip ejection lever

Considerably reduces the
thumb workload.

Lever ejector arm

Ejection is simply a matter
of applying light pressure
to the levered ejector arm.

Metallic tip cone with double "O" rings

Provide extremely comfortable
tip mounting and ejection.
Reduces the risk of breakage.
Same accuracy and precision
of a HETTLITE^{Pro}™ single
channel pipette due to special
design and construction of the
piston assembly.

Multichannel pipettes share many of the features of single channel pipettes such as:

- Exchangeable volume control knob.
- Volume setting with single hand.
- Ergonomic finger hook
- Ergonomic tip ejection
- Balanced weight distribution.
- Autoclavable body
- Printed serial number on each pipette.
- Thumb-friendly soft spring pipetting system.
- Dual "O" ring technology guarantees best tip fit.
- Outer "O" rings make tip loading easy.
- Manifold 360, enabling pipetting in any direction and angle.
- Curved ejector bar for reduced ejection force.
- Levered ejector arm for quick releases of tips.

HETTLITE^{Pro}™

Precision, Reliability & Optimisation

SINGLE CHANNEL PIPETTES

Cat. No	Description	Inaccuracy %	Imprecision %	Colour
HETV0002P	0.2 - 2 ul single-channel variable volume pipette	12.00 / 2.00	6.00 / 1.00	●
HETV0010P	0.5 - 10 ul single-channel variable volume pipette	2.50 / 1.00	1.80 / 0.50	○
HETV0020P	2 - 20 ul single-channel variable volume pipette	5.00 / 1.00	1.50 / 0.30	●
HETV0050P	5 - 50 ul single-channel variable volume pipette	2.00 / 1.00	1.20 / 0.30	●
HETV0100P	10 - 100 ul single-channel variable volume pipette	2.50 / 0.70	1.00 / 0.20	●
HETV0200P	20 - 200 ul single-channel variable volume pipette	2.50 / 0.60	0.70 / 0.20	●
HETV1000P	100 - 1000 ul single-channel variable volume pipette	2.00 / 0.80	0.60 / 0.20	●
HETV5000P	1 - 5 ml single-channel variable volume pipette	1.20 / 0.60	0.30 / 0.15	●
HETV10000P	1 - 10 ml single-channel variable volume pipette	1.20 / 0.60	0.30 / 0.15	●

MULTI CHANNEL PIPETTES

Cat. No	Description	Inaccuracy %	Imprecision %	Colour
HET80010P	0.5 - 10 ul 8-channel variable volume pipette	5.00 / 2.00	3.60 / 1.00	○
HET80100P	10 - 100 ul 8-channel variable volume pipette	2.50 / 1.30	1.20 / 0.50	●
HET80300P	30 - 300 ul 8-channel variable volume pipette	1.66 / 1.40	0.60 / 0.30	●
HET120010P	0.5 - 10 ul 12-channel variable volume pipette	5.00 / 2.00	3.60 / 1.00	○
HET120100P	10 - 100 ul 12-channel variable volume pipette	2.50 / 1.30	1.20 / 0.50	●
HET120300P	30 - 300 ul 12-channel variable volume pipette	1.66 / 1.40	0.60 / 0.30	●

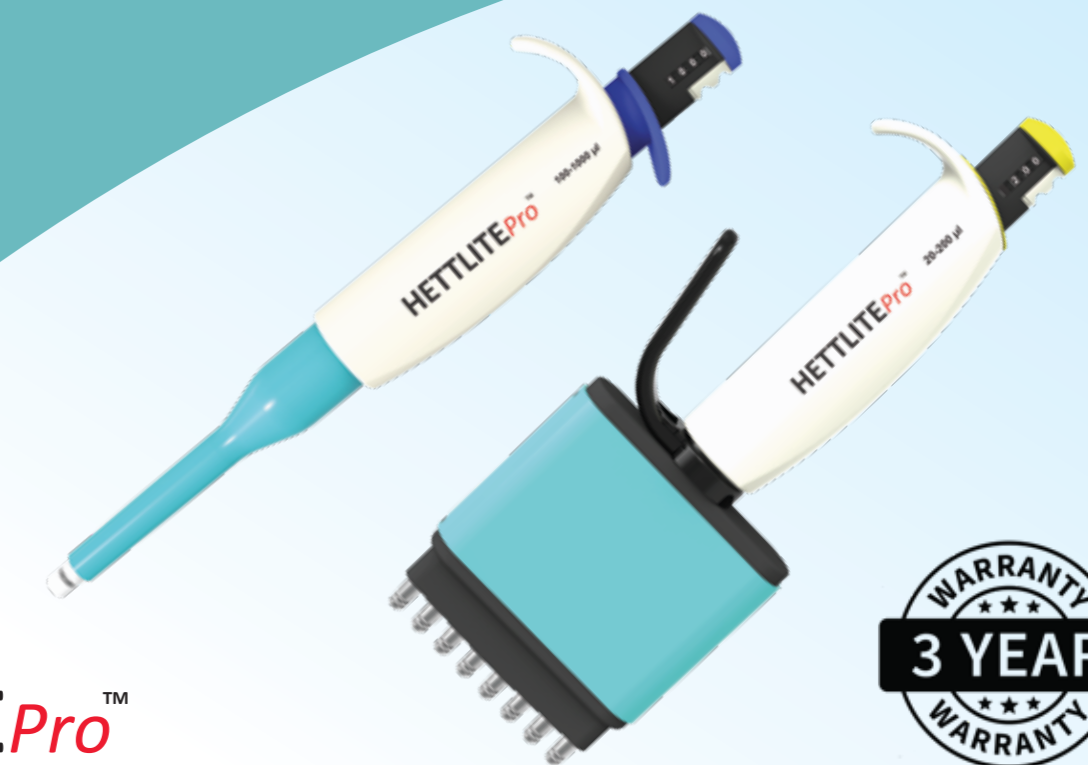
By introducing adjustable volume pipettes that can also be used with removable fixed volume knobs, we created a pinnacle of accuracy that will lead you to the highest extent of success.

Hettich Asia Pacific Pte Ltd

www.hettichlab.com.sg



SINGLE & MULTI -CHANNEL PIPETTES



HETTLITE^{Pro}™

Precision, Reliability & Optimisation



SINGLE CHANNEL PIPETTES

Exchangeable volume control knob

Easy volume setting with single hand. Requires 50% fewer turns in comparison to other brands. Volume display is always fully visible.

Finger hook

For comfortable handling and to take the weight for a more relaxed grip.

Ergonomic body

Ultralight, with balanced weight distribution for greatest comfort and for extended pipetting periods. Contoured and ergonomic body shape that fits perfectly to all hand sizes.

Robust design and ultimate precision

Metal tip cones with double "O" rings for optimal sealing and precision. Compatible with all major pipette tip brands. Low incidence of breakage resulting from accidental dropping or tips mounting.



Volume Lock

Allows selecting the desired volume and locking the indicator.

Tip ejector

Colour-coded for easy volume identification. Large pad of tip ejector guarantees easy tip ejection.

Fully autoclavable body

Recommended procedure: 20 minutes at 121°C. No disassembly required.

Serial number

Printed on each pipette.

Dual "O" ring technology

Guarantees best tip fit. Outer "O" rings make tip loading easy.



"Ultimate interior design allows you to spend more time on research and less time maintaining your pipette."

Ultimate interior design

- Steel alloy plunger does not bend or break.
- Thick synthetic polymer seals do not split or leak, can be used for many years without replacement costs.
- Robust steel alloy body protects internal components from damage if dropped.
- Utilises a double-seal design to prevent leakage that may occur with a single seal.
- Large ejection spring provides low ejection forces.
- Aluminium alloy shaft offers superior durability while making tip loading easy and shaft does not wear down from loading friction.



Traditional pipettes need continuous maintenance:

- o Small plastic seals and "O" rings wear-out often and need frequent replacement.
- o Plastic shaft wears down from the friction involved with tip loading and needs frequent replacement.
- o They can also be easily broken if the pipette is accidentally dropped.
- o Plastic body provides a single seal and might not protect fragile internal components against impact or moisture.

Exchangeable volume control knobs

Change your variable volume pipette to a fixed volume pipette in seconds.

- Use one variable-volume pipette with many pre-calibrated fixed volume knobs and substantially reduce costs.
- Take off the variable volume control knob and insert any desired fixed volume knob in seconds.
- Save time by no longer turning micrometer dials.
- Eliminate setting errors by using pre-calibrated volume knobs. Fixed volume knobs are calibrated to consistently pipette the same amount.

Volume Lock Feature

Select the desired volume and lock the indicator.

- Volume lock feature allows selecting the desired volume and locking the indicator to achieve a more reliable pipetting experience.
- Locking feature prevents accidental volume changes during pipetting procedures.
- Simply slide the button to the upper position to lock or lower to release.



Pipette body

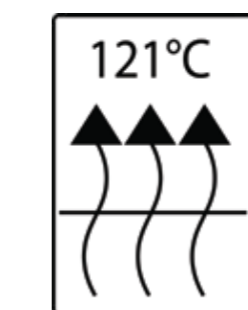
- Ergonomic body with balanced weight distribution offers the greatest comfort for extended pipetting periods.
- Contoured body shape fits perfectly to all hand sizes.
- Thumb-friendly soft spring pipetting system reduces plunger pressure by up to 50% and guarantees comfortable work.



Dual "O" ring technology:

Guarantees best tip fit.

- Outer "O" rings make tip loading easy.
- The first "O" ring creates a smooth seal while the second "O" ring creates a positive stop to ensure that the tips are airtight, sealed, and can be ejected with the smallest amount of force.
- Ensure optimal seal. Guarantees usage of any tip with perfect results.



Autoclaving

Guaranteed autoclaving without risk of re-calibration.

- Durable PP/ PVDFI, anodized aluminium and stainless steel body construction and stainless steel springs enable easy and practical autoclaving.
- Take off the volume control knob and the main body can be fully autoclaved at 121°C | 0,1 MPa | 20 minutes.
- Unlike other so called "autoclavable pipettes" requires almost no re-calibration after sterilisation process.

One pipette with separate fixed volume controllers solves all your problem:

- High precision pipettes which combine all the requirements of modern pipette with the requirements of a modern pipette with highest level of accuracy and precision.
- Exchangeable volume control knob.
- Single handed, easy and practical volume setting.
- Easy and practical volume setting. Requires 50% fewer turns in comparison to some other brands.
- Ergonomic finger hook for comfortable handling and reducing hand stress.
- Colour-coded, large tip ejector pad for easy volume identification. Large pad of tip ejector guarantees easy tip ejection.
- Ergonomic tip ejection reduces thumb workload by up to 70% as compared to other brands. Also makes disassembly easy.
- Serial number is printed on each pipette.
- Dual "O" ring technology guarantees best tip fit.
- Outer "O" rings make tip loading easy.
- Individually calibrated and supplied with a quality control certificate.