

Venpet Series

Micro Pipette



Venpet Premio Series

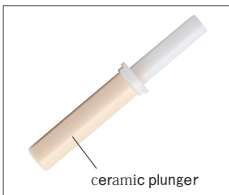
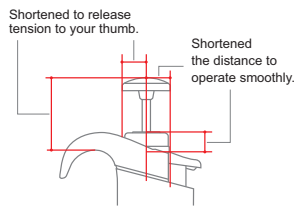
New evolution of “Fatigue Free” Lighter model of LT Debut!

UV Resistance	121°C 20min Autoclavable	CE
Resistance	Autoclavable 50min	CE



This will not be worn out within the clean bench work and be enlarged easy to read the volume.

What's New!



Non corrosive ceramic used in the plunger.
(100µl – 1000µl)



Material used has high tolerance to solvents and to drop impact. It is fully autoclavable as well.



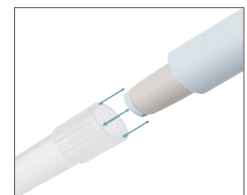
Hyper blower system improves dispensing efficiency, especially on 2µl and on 10µl dispensing, especially on 2µl and on 10µl dispensing.



New material used for 4 notches -lock improves its strength which minimizes the lever shifting and avoids drifting and wearing.



Venpet Premio has excellent durability and reduces less 70% stroke loading at maximum. Mitigates fatigue and stress from heavy workload.



Nozzle top has highly abrasion tolerant. (2µl – 1000µl)

Innovation in “Fatigue-Free” and “Comfort”

- New round shape of the Premium mitigates fatigue and stress from heavy workload.
- Stroke loading of **Venpet Premio** becomes less 70% at maximum than before.
- New design for reducing stroke loading and mitigating fatigue.

Innovation in “Durability” and “Strength”

- Seal ring for the Premium is tested dispensing / aspirating 600,000 times.
- Nozzle top is highly abrasion tolerant.
- Non corrosive ceramic is used for the plunger.(100µl – 1000µl)

Innovation in “Stability” and “Precision”

- Hyper Blower System, longer second-push stroke, improves dispensing efficiency. (2µl ,10µl)
- Easy-Calibration function provides simple lab calibration.
- Hand temperature doesn’t permeate through the body of the pipette which works to avoid affecting volume measurement. (Patented)

Features

- Fully autoclavable. (121°C for 20 minutes)
- Enhanced UV resistance.
- Easy digital volume setting
- Easy and convenient single hand locking lever
- Eight sizes to cover a wide volume range. (0.1µl - 1000µl)
- PTFE (Fluorine resin) is used in the airtight chamber of the instrument, so the instrument keeps its air tightness and precise reproducibility for long hours
- Ceramic plungers, Non corrosive ceramic are used in plunger for volume models. (100µl - 1000µl)
- Tip ejector allows for tip ejections without touching the tip
- Tip ejector is made of plastic to avoid damaging glass tubes

► Specifications

Cat. No	6000002	6000010	6000020	6000100	6000200	6001000
Volume Setting	Digital Setting					
Volume range (µl)	0.1 - 2	0.5 - 10	2 - 20	10 - 100	20 - 200	100 - 1000
Increments (µl)	0.002	0.01	0.02	0.1	0.2	1

► Accuracy and Precision

Cat. No	6000002			6000010			6000020			6000100			6000200			6001000		
Volume (µl)	0.2	1	2	1	5	10	2	10	20	10	50	100	20	100	200	100	500	1000
Accuracy (%)	±12.0*	±5.0	±3.0	±4.0	±1.0	±1.0	±5.0	±1.0	±1.0	±2.0	±1.0	±0.8	±1.0	±0.8	±0.8	±1.0	±0.8	±0.7
Precision (%)	≤6.0	≤2.5	≤1.0	≤3.0	≤1.0	≤0.5	≤3.0	≤1.0	≤0.4	≤1.0	≤0.3	≤0.3	≤0.5	≤0.3	≤0.2	≤0.5	≤0.3	≤0.2

* The AC and CV above are measured with the disposable tips described in the catalogue.

* The AC and CV at 0.2µl depend much on the sampling skill and the sampling condition where pipettes are used.

Venpet Classic Series

Venchal Scientific Venpet classic series are the ideal choice for effective liquid handling.

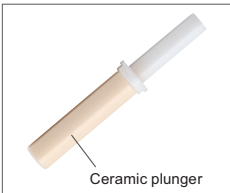
UV Resistance	121°C 20min Autoclavable	CE
RESISTANCE	50min Autoclavable	CE



Volume display made of durable glass material protects the damage from UV irradiation and keeps the pipette safer in clean bench even over a long time.



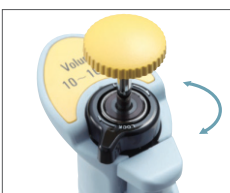
Material used for pipette body has high tolerance to solvents. Non-Grease designed, no need to worry about continuous autoclaving.



Non-corrosive ceramic used in the plunger. (200µl – 10000µl)



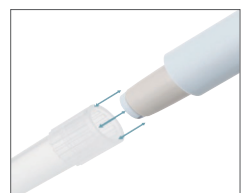
The ejector pipe fixed by a screw is easier to remove.



Designed with a lock mechanism, it is easier to adjust volume smoothly.



Resin material of the ejector pipe could enhance high tolerance to solvents.



Tip ejector allows for tip ejections without touching the tip.

► Features :

- Fully autoclavable. (121°C for 20 minutes)
- Enhanced UV resistance.
- Hyper blower system, longer second-push stroke, improves dispensing efficiency. (2µl, 10µl)
- Easy digital volume setting
- Easy and convenient single hand locking lever
- Eight sizes to cover a wide volume range. (0.1µl - 10000µl)
- PTFE (Fluorine resin) is used in the airtight chamber of the instrument, so the instrument keeps its air tightness and precise reproducibility for long hours
- Ceramic plungers, Non corrosive ceramic are used in plunger for volume models. (200µl - 10000µl)
- Filtered nozzles are used for volume models (1000µl - 10000µl)
- Tip ejector allows for tip ejections without touching the tip
- Tip ejector is made of plastic to avoid damaging glass tubes



► Specifications

Cat. No	6100002	6100010	6100020	6100100	6100200	6101000	6105000	6110000
Volume Setting	Digital Setting							
Volume range (µl)	0.1 - 2	0.5 - 10	2 - 20	10 - 100	20 - 200	100 - 1000	1000 - 5000	1000 - 10000
Increments (µl)	0.002	0.01	0.02	0.1	0.2	1	10	10

► Accuracy and Precision

Cat. No	6100002			6100010			6100020			6100100		
Volume range (µl)	0.2	1	2	1	5	10	2	10	20	10	50	100
Accuracy (%)	±12.0*	±5.0	±3.0	±4.0	±1.0	±1.0	±5.0	±1.0	±1.0	±2.0	±1.0	±0.8
Precision (%)	≤6.0*	≤2.5	≤1.0	≤3.0	≤1.0	≤0.5	≤3.0	≤1.0	≤0.4	≤1.0	≤0.3	≤0.3

Cat. No	6100200			6101000			6105000			6110000		
Volume range (µl)	20	100	200	100	500	1000	1000	2500	5000	1000	5000	10000
Accuracy (%)	±1.0	±0.8	±0.8	±1.0	±0.8	±0.7	±1.0	±0.8	±0.6	±2.0	±0.8	±0.4
Precision (%)	≤0.5	≤0.3	≤0.2	≤0.5	≤0.3	≤0.2	≤0.3	≤0.3	≤0.2	≤0.4	≤0.3	≤0.2

* The AC and CV above are measured with the disposable tips described in the catalogue.

* The AC and CV at 0.1µl depend much on the sampling skill and the sampling condition where pipettes are used.

Venpet Classic Series

Multi Channel Autoclavable Micro Pipette
Reduced fatigue for pipetting

UV Resistance	121°C 20min Autoclavable	CE
50µl	50µl	CE



Volume display made of durable glass material protects the damage from UV irradiation and keep the pipette safer in clean bench even over a long time.



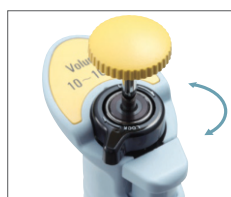
Material used for pipette body have high tolerance to solvents and to drop impact .
Non-Grease designed no need to worry about continuous autoclaving.



Reduced the weight up to 30%
Reduced fatigue for pipetting compared with the conventional products



Nozzle design for easy tip fitting



Designed with a lock mechanism it minimizes the lever shifting and avoids drifting of volume setting during pipetting



One handed ejection enables to minimize fatigue and provide better operation.
Tip ejector allows for tip ejections without touching the tip.

► Features :

- Reduced the weight up to 30%
Reduced fatigue for pipetting compared with the conventional products
- Easy Maintenance
New function provides the maintenance easily
- Reduced ejector load
Improved operability by one-hand ejection remarkably
- Strong material for UV resistance
This will not be worn out within the clean bench work
Suitable for culture work in clean bench
- Fully autoclavable (121°C for 20 minutes)
Easy sterilization process
- Lock Mechanism for volume setting
It minimizes the lever shifting and avoids drifting of volume setting during pipetting
- Durable body
Material used has high tolerance to solvents and to drop impact.
- 4 Sizes covering wide volume range from 0.5µl to 300µl
- Revolving handle (360°C) to fixate convenient position in pipetting.
Suitable for dispensing to 96 well micro plates



► Specifications

8 Channel

Cat. No	6200010	6200100	6200200	6200300
Volume Setting	Digital Setting			
Volume range (µl)	0.5 - 10	5 - 100	20 - 200	30-300
Increments (µl)	0.01	0.1	0.2	1

► 12 Channel

Cat. No	6300010	6300100	6300200	6300300
Volume Setting	Digital Setting			
Volume range (µl)	0.5 - 10	5 - 100	20 - 200	30-300
Increments (µl)	0.01	0.1	0.2	1

► Accuracy and Precision

Cat. No	6200010	6300010	6200100	6300100	6200200	6300200	6200300	6300300				
Volume range (µl)	1	5	10	10	50	100	20	100	200	30	150	300
Accuracy (%)	±8.0	±4.0	±2.0	±3.0	±1.0	±0.8	±3.0	±1.0	±0.9	±3.0	±1.0	±0.6
Precision (%)	≤5.0	≤2.0	≤1.0	≤2.0	≤0.8	≤0.3	≤0.6	≤0.4	≤0.3	≤1.0	≤0.5	≤0.3

* The AC and CV above are measured with the disposable tips described in the catalogue.

Ventip Pipette Tips

Ventip tips are designed and manufactured expressly for Venpet pipette models to deliver optimal performance, precision and accuracy.

- Available Volume ranges from 10 μ L, 200 μ L, 1000 μ L.
- Fully Autoclavable and Stackable, Made of polypropylene
- Hinge rack allows single hand operation
- Color coded tray for easy identification



Cat. No	Volume Range μ l	Packing
60060	Universal Graduated Tips 10 μ l, White	1000/Pk
60061	Universal Graduated Tips 200 μ l, Yellow	1000/Pk
60062	Universal Graduated Tips 1000 μ l, Blue	500/Pk
60080	Universal Graduated Tips 10 μ l, White with Racks	10x96 tips
60081	Universal Graduated Tips 200 μ l, Yellow with Racks	10x96 tips
60082	Universal Graduated Tips 1000 μ l, Blue with Racks	6x96 tips
60050	Pipette controller	1
60051	6 Pipettes Stand	1



Venpet

Single and Multichannel Electronic Pipettes

- Precise Pipetting
- Ergonomic Force-saving Design
- 360° revolving collar
- Reduce Stress
- Fatigue From Repetitive Pipetting



CE

- **Automatic Switch-On Calibration**
for high accuracy and precision
- **Unique Force-Saving Design**
to reduce stress and fatigue from repetitive pipetting
- **360° Revolving Collar**
for greatest positioning comfort
- **9 Memory Settings**
to save protocol set-up time
- **User-Friendly Interface**
and easy-to-operate buttons
- **High Capacity Lithium Battery**
for high stamina continuous use
- **5 Speeds for Aspiration and Dispensing**
depending on liquid viscosity



6300020



6300200



6301000



6300208



6302008

► Specifications & Ordering Information :

Cat. No.	Description	Volume Range	Increment	Accuracy Rel. % (\pm)	Precision Range Rel. CV % (\leq)
6300020	1-Channel	2-20 μ l	0.1 μ l	1-4	0.4 - 2.5
6300200	1-Channel	10-200 μ l	1 μ l	0.6 -2.5	0.15 - 1
6301000	1-Channel	100-1000 μ l	1 μ l	0.5-2.5	0.15 - 0.6
6300208	8-Channel	2-20 μ l	0.1 μ l	1-4	0.5 - 2.5
6302008	8-Channel	10-200 μ l	1 μ l	0.6-3	0.15 - 1

Accessories

Cat. No.	Description
6300000-B	High-Capacity Lithium Battery
6300000-C	Standard AC-DC Adaptor and Optional Charger
6300000-S	Stand for 3 Units

Specifications are subject to change without prior notice