

TOPSCIEN®

TOPSCIEN INSTRUMENT (NINGBO CHINA) CO.,LTD
Add:No.8 Donggong One Road, Dongguang Industrial park,
Jiangshan ,Ningbo,China
Tel:86-574-88455466 Fax:86-574-88459578
E-mail: wilsonw@topscien.com tbl@topscien.com
Http://www.topscien.com



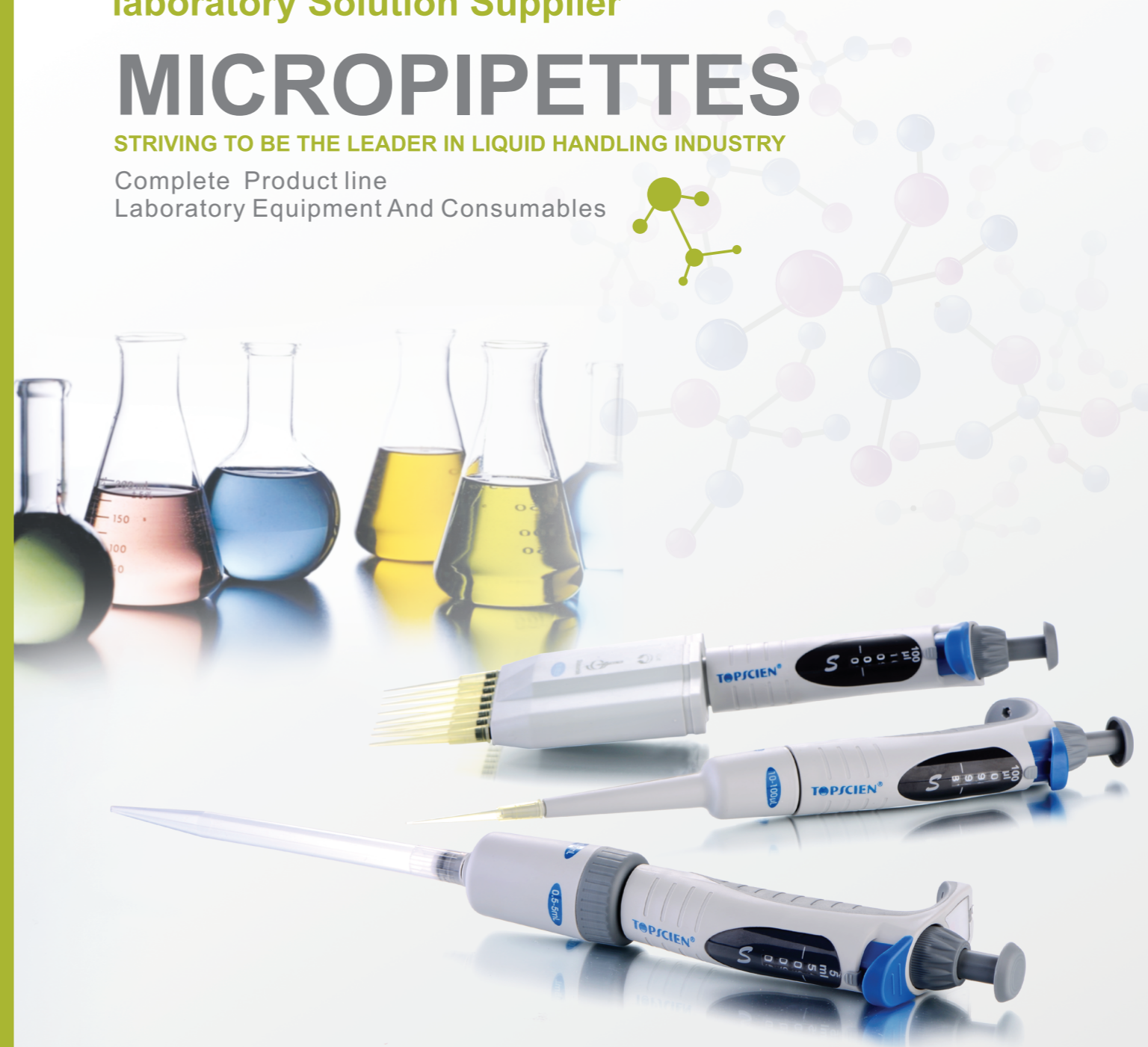
TOPSCIEN®
www.topscien.com

laboratory Solution Supplier

MICROPIPETTES

STRIVING TO BE THE LEADER IN LIQUID HANDLING INDUSTRY

Complete Product line
Laboratory Equipment And Consumables



TOPSCIEN INSTRUMENT(NINGBO CHINA)CO.,LTD

S SERIES VARIABLE VOLUME MICROPIPETTES

TOPSCIEN Variable Volume Micropipettes are product of intensive ergonomic and operational studies and the application of modern innovative materials. They are the perfect manual pipettes for demanding laboratory applications for scientists who prefer central pipetting buttons.

The Micropipettes provide all of the features required by users working in the life sciences field.

Robust, One-handed operation, Easy calibration institutions, completely auto clavable, high precision and Easy Calibration technique for lasting reliability.

Features:

- Large central pipetting button and separate ejection function
- True one-handed operation for both right-and left-handers
- Completely autoclavable at 121°C(20 min)
- Volume-change protection
- 4-position volume display ,always clearly visible
- Easy Calibration technique-readjustment without special tools
- Changes from factory settings are clearly visible externally.
- Short stroke of only 12.5 mm to reduce the risk of RSI(Repetitive Strain Injury)
- Corrosion-resistant piston and ejector
- Color-coded for easy selection of the right tip
- CE-compliant



● One-handed operation



● Easy calibration institutions



4-position volume display



Color-Code
Easy selection of the correct micropipette



Anticorrosion ceramic piston

S Series Variable Volume Single Channel Micropipette (121°C autoclavable)

| Cat.No. | Code.No. | Volume | | | |
|---------|----------|----------------------|-------------------|-----------------|--------------|
| | | Volume range μ l | Increment μ l | A* $\leq \pm$ % | CV* \leq % |
| 8011380 | TS1H | 0.1-1 | 0.001 | 2 | 1.2 |
| 8011381 | TS10H | 0.5-10 | 0.01 | 1 | 0.5 |
| 8011382 | TS20H | 2-20 | 0.02 | 0.8 | 0.4 |
| 8011383 | TS50H | 5-50 | 0.05 | 0.6 | 0.2 |
| 8011384 | TS100H | 10-100 | 0.1 | 0.6 | 0.2 |
| 8011385 | TS200H | 20-200 | 0.2 | 0.6 | 0.2 |
| 8011386 | TS1000H | 100-1000 | 1 | 0.6 | 0.2 |
| 8011387 | TS5000H | 500-5000 | 5 | 0.6 | 0.2 |
| 8011388 | TS10000H | 1000-10000 | 10 | 0.6 | 0.2 |

Calibrated to deliver (TD, Ex). Error limits according to the nominal capacity (= maximum volume) indicated on the instrument, obtained with instrument and distilled water at equilibrium with ambient temperature at 20°C, and with smooth, steady operation. The error limits are within the limits of DIN EN ISO 8655-2. Conformity certified to DIN 12 600.A=Accuracy, CV=Coefficient of variation.

Possess **58** national patents, use the special antibacterial Materials

Lightweight - Accurate - low force:

The piston-operated Micropipettes provides maximum versatility and optimum quality over the entire volume range. There are 9 single channel pipettes in the 0.1um to 10ml range in variable volume .

Volume-change protection

A lock prevents unintended volume adjustments

4-position volume display

Maximum precision, always easy to read with an integrated lens

Volume coded

Easy distinguish

Pipetting button

The centrally mounted, large Pipetting button allows uniform smooth movement of the piston.

volume adjustment

True one-handed volume adjustment for right -and left -handed operators -even with gloves.

Easy Calibration Technique

Changes from factory settings are externally visible!

Finger rest

The ergonomically designed finger rest takes the load off the hand . You do not need to grip the pipette tightly , So even prolonged pipetting operations can be completed with less fatigue .

Completely autoclavable

The entire instrument can be autoclaved at 121°C (20min) for maximum protection against contamination.

Slim pipette shaft

The slim shaft allows pipetting into narrow vessels , without removing the tip ejector .

Tip cone

Due to the optimized standard design, other manufacturer's tips can be used .



A central pipetting button, the one-handed operation, precise 4-position volume settings and a volume display that can be easily read by both right-and left-handed operators are only a few examples of the attention to detail in the design of the TOPSCIEN Variable volume micropipette

S SERIES MULTICHANNEL VARIABLE VOLUME MICROPIPETTES

Easy Handling

A particular advantage of the new multichannel pipette is the easy operation, e.g., when performing serial pipetting of immunological assays, while making serial dilutions or when filling 96-well plates for cell cultures.

Use the Innovative material will be more lighter .

Pipetting easy and convenient

Reduce the risk for hands injury when repetitive pipetting.

It can be operated comfortably whether large hands or small hands ,

The ergonomically finger rest takes the load off the hand ,not need to grip the pipette tightly, so the pipetting operations can be completed with the fatigue.

True one-hand operated

The one hand can be change the volume and fix the volume easily and conveniently .

The large pipetting button will be saved pipetting strength.

Piston corrosion proof

Possess 58 national patents, use the special antibacterial Materials

Lightweight - Accurate - low force:

- The piston-operated Micropipettes provides maximum versatility and optimum quality over the entire volume range.
- There are 5 different volume 8 and 12channels micropipette which the volume cover 0.5-300ul

Features:

- The TOPSCIEN multichannel Micropipette have the light weight, operated with light pipetting strength and easily and conveniently.
- High chemical and UV resistance
- Fully autoclavable
- Rotating dispensing head for optimal pipetting convenience.
- Due to the optimized standard design for the tip cone which it can be compatible with a wide range band of tips



Pipetting button

The centrally mounted, large Pipetting button allows uniform smooth movement of the piston.

volume adjustment

True one-handed volume adjustment for right -and left -handed operators -even with gloves.

Easy Calibration Technique

Changes from factory settings are externally visible!

Finger rest

The ergonomically designed finger rest takes the load off the hand . You do not need to grip the pipette tightly , So even prolonged pipetting operations can be completed with less fatigue .

Completely autoclavable

The entire instrument can be autoclaved at 121°C (20min) for maximum protection against contamination.

Manifold

Can be freely rotated by 360 in either direction

Unique tip loading mechanism for perfect tip sealing and light tip ejection,perfecttip sealing in multichannel micropipette.

Allows tips to be loaded with constant force

Enables even and safe tip sealing to the tip cones with minimum force

Makes tip ejection light and easy

A central pipetting button, the one-handed operation, precise 4-position volume settings and a volume display that can be easily read by both right- and left-handed operators are only a few examples of the attention to detail in the design of the TOPSCIEN Variable volume micropipette



One-handed operation



Easy calibration institutions



4-position volume display



Color-Code
Easy selection of the correct micropipette

S Series Variable Volume 8 Channel Micropipette (121°C autoclavable)

| Cat.No. | Code.No. | Volume | | | | | |
|---------|----------|----------------------------|-------------------------|----------------|--------------|-------------------------|----------------------------|
| | | Volume range μl | Increment μl | A* $\leq\pm$ % | CV* \leq % | Increment μl | Type of tips μl |
| 8011460 | TS8D10H | 0.5-10 | 10/5/1 | 1.6/2/8 | 1.0/2/6 | 0.01 | 20 |
| 8011461 | TS8D50H | 5-50 | 50/25/5 | 0.8/1.4/6 | 0.4/0.8/3 | 0.05 | 200 |
| 8011462 | TS8D100H | 10-100 | 100/50/10 | 0.8/0.6/4 | 0.3/0.6/2 | 0.1 | 200/300 |
| 8011463 | TS8D200H | 20-200 | 200/100/20 | 0.8/1.4/4 | 0.3/0.6/1.5 | 0.2 | 200/300 |
| 8011464 | TS8D300H | 30-300 | 300/150/30 | 0.6/1.2/3 | 0.3/0.6/1.5 | 0.3 | 300 |

S Series Variable Volume 8 Channel Micropipette (Ejector 121°C autoclavable)

| Cat.No. | Code.No. | Volume | | | | | |
|---------|----------|----------------------------|-------------------------|----------------|--------------|-------------------------|----------------------------|
| | | Volume range μl | Increment μl | A* $\leq\pm$ % | CV* \leq % | Increment μl | Type of tips μl |
| 8011470 | TS8D10 | 0.5-10 | 10/5/1 | 1.6/2/8 | 1.0/2/6 | 0.01 | 20 |
| 8011471 | TS8D50 | 5-50 | 50/25/5 | 0.8/1.4/6 | 0.4/0.8/3 | 0.05 | 200 |
| 8011472 | TS8D100 | 10-100 | 100/50/10 | 0.8/0.6/4 | 0.3/0.6/2 | 0.1 | 200/300 |
| 8011473 | TS8D200 | 20-200 | 200/100/20 | 0.8/1.4/4 | 0.3/0.6/1.5 | 0.2 | 200/300 |
| 8011474 | TS8D300 | 30-300 | 300/150/30 | 0.6/1.2/3 | 0.3/0.6/1.5 | 0.3 | 300 |

S Series Variable Volume 12 Channel Micropipette (121°C autoclavable)

| Cat.No. | Code.No. | Volume | | | | | |
|---------|-----------|----------------------------|-------------------------|----------------|--------------|-------------------------|----------------------------|
| | | Volume range μl | Increment μl | A* $\leq\pm$ % | CV* \leq % | Increment μl | Type of tips μl |
| 8011480 | TS12D10H | 0.5-10 | 10/5/1 | 1.6/2/8 | 1.0/2/6 | 0.01 | 20 |
| 8011481 | TS12D50H | 5-50 | 50/25/5 | 0.8/1.4/6 | 0.4/0.8/3 | 0.05 | 200 |
| 8011482 | TS12D100H | 10-100 | 100/50/10 | 0.8/0.6/4 | 0.3/0.6/2 | 0.1 | 200/300 |
| 8011483 | TS12D200H | 20-200 | 200/100/20 | 0.8/1.4/4 | 0.3/0.6/1.5 | 0.2 | 200/300 |
| 8011484 | TS12D300H | 30-300 | 300/150/30 | 0.6/1.2/3 | 0.3/0.6/1.5 | 0.3 | 300 |

S Series Variable Volume 12 Channel Micropipette (Ejector 121°C autoclavable)

| Cat.No. | Code.No. | Volume | | | | | |
|---------|----------|----------------------------|-------------------------|----------------|--------------|-------------------------|----------------------------|
| | | Volume range μl | Increment μl | A* $\leq\pm$ % | CV* \leq % | Increment μl | Type of tips μl |
| 8011490 | TS12D10 | 0.5-10 | 10/5/1 | 1.6/2/8 | 1.0/2/6 | 0.01 | 20 |
| 8011491 | TS12D50 | 5-50 | 50/25/5 | 0.8/1.4/6 | 0.4/0.8/3 | 0.05 | 200 |
| 8011492 | TS12D100 | 10-100 | 100/50/10 | 0.8/0.6/4 | 0.3/0.6/2 | 0.1 | 200/300 |
| 8011493 | TS12D200 | 20-200 | 200/100/20 | 0.8/1.4/4 | 0.3/0.6/1.5 | 0.2 | 200/300 |
| 8011494 | TS12D300 | 30-300 | 300/150/30 | 0.6/1.2/3 | 0.3/0.6/1.5 | 0.3 | 300 |

Calibrated to deliver (TD, Ex). Error limits according to the nominal capacity (=maximum volume) indicated on the instrument, obtained with instrument and distilled water at equilibrium with ambient temperature at 20 °C, and with smooth, steady operation. The error limits are within the limits of DIN EN ISO 8655-2. Conformity certified to DIN 12 600. A = Accuracy, CV = Coefficient of variation

P SERIES VARIABLE VOLUME MICROPIPETTES

TOPSCIEN Variable Volume Micropipettes are product of intensive ergonomic and operational studies and the application of modern innovative materials. They are the perfect manual pipettes for demanding laboratory applications for scientists who prefer central pipetting buttons.

The Micropipettes provide all of the features required by users working in the life sciences field.

Robust, One-handed operation, Easy calibration institutions, completely auto clavable, high precision and Easy Calibration technique for lasting reliability.

Features:

- Large central pipetting button and separate ejection function
- True one-handed operation for both right-and left-handers
- Completely autoclavable at 121°C(20 min) Volume-change protection
- 4-position volume display ,always clearly visible
- Easy Calibration technique-readjustment without special tools
- Changes from factory settings are clearly visible externally.
- Short stroke of only 12.5 mm to reduce the risk of RSI(Repetitive Strain Injury)
- Corrosion-resistant piston and ejector
- Color-coded for easy selection of the right tip CE-compliant



● One-handed operation



● Easy calibration institutions



4-position volume display



Color-Code Easy selection of the correct micropipette

P Series Variable Volume Single Channel Micropipette (121°C autoclavable)

| Cat.No. | Part No. | Volume μ l | Increment μ l | A* \leq \pm % | CV* \leq % |
|---------|----------|--------------------|-------------------|-------------------|--------------|
| 8011179 | TP1H | 0.1-1 μ l | 0.001 μ l | 2 | 1.2 |
| 8011180 | TP10H | 0.5-10 μ l | 0.01 μ l | 1 | 0.5 |
| 8011181 | TP20H | 2-20 μ l | 0.02 μ l | 0.8 | 0.4 |
| 8011187 | TP50H | 5-50 μ l | 0.05 μ l | 0.6 | 0.2 |
| 8011182 | TP100H | 10-100 μ l | 0.1 μ l | 0.6 | 0.2 |
| 8011183 | TP200H | 20-200 μ l | 0.2 μ l | 0.6 | 0.2 |
| 8011184 | TP1000H | 100-1000 μ l | 1 μ l | 0.6 | 0.2 |
| 8011185 | TP5000H | 500-5000 μ l | 5 μ l | 0.6 | 0.2 |
| 8011186 | TP10000H | 1000-10000 μ l | 10 μ l | 0.6 | 0.2 |

P Series Variable Volume Single Channel Micropipette (Ejector 121°C autoclavable)

| Cat.No. | Part No. | Volume μ l | Increment μ l | A* \leq \pm % | CV* \leq % |
|---------|----------|--------------------|-------------------|-------------------|--------------|
| 8011189 | TP1 | 0.1-1 μ l | 0.001 μ l | 2 | 1.2 |
| 8011190 | TP10 | 0.5-10 μ l | 0.01 μ l | 1 | 0.5 |
| 8011191 | TP20 | 2-20 μ l | 0.02 μ l | 0.8 | 0.4 |
| 8011197 | TP50 | 5-50 μ l | 0.05 μ l | 0.6 | 0.2 |
| 8011192 | TP100 | 10-100 μ l | 0.1 μ l | 0.6 | 0.2 |
| 8011193 | TP200 | 20-200 μ l | 0.2 μ l | 0.6 | 0.2 |
| 8011194 | TP1000 | 100-1000 μ l | 1 μ l | 0.6 | 0.2 |
| 8011195 | TP5000 | 500-5000 μ l | 5 μ l | 0.6 | 0.2 |
| 8011196 | TP10000 | 1000-10000 μ l | 10 μ l | 0.6 | 0.2 |

Calibrated to deliver (TD, Ex). Error limits according to the nominal capacity (= maximum volume) indicated on the instrument, obtained with instrument and distilled water at equilibrium with ambient temperature at 20°C, and with smooth, steady operation. The error limits are within the limits of DIN EN ISO 8655-2. Conformity certified to DIN 12 600.A=Accuracy, CV=Coefficient of variation.

Lightweight - Accurate - low force:

The piston-operated Micropipettes provides maximum versatility and optimum quality over the entire volume range. There are 9 single channel pipettes in the 0.1 μ l to 10ml range in variable volume .



Pipetting button
The centrally mounted, large Pipetting button allows uniform smooth movement of the piston.

volume adjustment
True one-handed volume adjustment for right -and left -handed operators -even with gloves.

Easy Calibration Technique
Changes from factory settings are externally visible!

Finger rest
The ergonomically designed finger rest takes the load off the hand . You do not need to grip the pipette tightly . So even prolonged pipetting operations can be completed with less fatigue .

Completely autoclavable
The entire instrument can be autoclaved at 121°C (20min) for maximum protection against contamination.

Slim pipette shaft
The slim shaft allows pipetting into narrow vessels , without removing the tip ejector .

Tip cone
Due to the optimized standard design, other manufacturer's tips can be used .

Volume-change protection
A lock prevents unintended volume adjustments

4-position volume display
Maximum precision, always easy to read with an integrated lens

Volume coded
Easy distinguish

A central pipetting button, the one-handed operation, precise 4-position volume settings and a volume display that can be easily read by both right- and left-handed operators are only a few examples of the attention to detail in the design of the TOPSCIEN Variable volume micropipette

P SERIES MULTICHANNEL VOLUME MICROPIPETTES

Easy Handling

A particular advantage of the new multichannel pipette is the easy operation, e.g., when performing serial pipetting of immunological assays, while making serial dilutions or when filling 96-well plates for cell cultures.

Use the Innovative material will be more lighter .

Pipetting easy and convenient

Reduce the risk for hands injury when repetitive pipetting.

It can be operated comfortably whether large hands or small hands ,

The ergonomically finger rest takes the load off the hand ,not need to grip the pipette tightly, so the pipetting operations can be completed with the fatigue.

True one-hand operated

The one hand can be change the volume and fix the volume easily and conveniently .

The large pipetting button will be saved pipetting strength.

Piston corrosion proof

Lightweight - Accurate - low force:

- The piston-operated Micropipettes provides maximum versatility and optimum quality over the entire volume range.
- There are 5 different volume 8 and 12channels micropipette which the volume cover 0.5-300ul

Features:

- The TOPSCIEN multichannel Micropipette have the light weight, operated with light pipetting strength and easily and conveniently.
- High chemical and UV resistance
- Fully autoclavable
- Rotating dispensing head for optimal pipetting convenience.
- Due to the optimized standard design for the tip cone which it can be compatible with a wide range band of tips



A central pipetting button, the one-handed operation, precise 4-position volume settings and a volume display that can be easily read by both right-and left-handed operators are only a few examples of the attention to detail in the design of the TOPSCIEN Variable volume micropipette



P Series Variable Volume 8 Channel Micropipette (121°C autoclavable)

| Cat.No. | Code.No. | 量程/Volume | | | | | |
|---------|----------|----------------------|-------------------|---------------|--------------|-------------------|----------------------|
| | | Volume range μ l | Increment μ l | A* \leq ± % | CV* \leq % | Increment μ l | Type of tips μ l |
| 8011260 | TP8D10H | 0.5-10 | 10/5/1 | 1.6/2/8 | 1.0/2/6 | 0.01 | 20 |
| 8011261 | TP8D50H | 5-50 | 50/25/5 | 0.8/1.4/6 | 0.4/0.8/3 | 0.05 | 200 |
| 8011262 | TP8D100H | 10-100 | 100/50/10 | 0.8/0.6/4 | 0.3/0.6/2 | 0.1 | 200/300 |
| 8011263 | TP8D200H | 20-200 | 200/100/20 | 0.8/1.4/4 | 0.3/0.6/1.5 | 0.2 | 200/300 |
| 8011264 | TP8D300H | 30-300 | 300/150/30 | 0.6/1.2/3 | 0.3/0.6/1.5 | 0.3 | 300 |

P Series Variable Volume 8 Channel Micropipette (Ejector 121°C autoclavable)

| Cat.No. | Code.No. | Volume | | | | | |
|---------|----------|----------------------|-------------------|---------------|--------------|-------------------|----------------------|
| | | Volume range μ l | Increment μ l | A* \leq ± % | CV* \leq % | Increment μ l | Type of tips μ l |
| 8011270 | TP8D10 | 0.5-10 | 10/5/1 | 1.6/2/8 | 1.0/2/6 | 0.01 | 20 |
| 8011271 | TP8D50 | 5-50 | 50/25/5 | 0.8/1.4/6 | 0.4/0.8/3 | 0.05 | 200 |
| 8011272 | TP8D100 | 10-100 | 100/50/10 | 0.8/0.6/4 | 0.3/0.6/2 | 0.1 | 200/300 |
| 8011273 | TP8D200 | 20-200 | 200/100/20 | 0.8/1.4/4 | 0.3/0.6/1.5 | 0.2 | 200/300 |
| 8011274 | TP8D300 | 30-300 | 300/150/30 | 0.6/1.2/3 | 0.3/0.6/1.5 | 0.3 | 300 |

P Series Variable Volume 12 Channel Micropipette (121°C autoclavable)

| Cat.No. | Code.No. | Volume | | | | | |
|---------|-----------|----------------------|-------------------|---------------|--------------|-------------------|----------------------|
| | | Volume range μ l | Increment μ l | A* \leq ± % | CV* \leq % | Increment μ l | Type of tips μ l |
| 8011280 | TP12D10H | 0.5-10 | 10/5/1 | 1.6/2/8 | 1.0/2/6 | 0.01 | 20 |
| 8011281 | TP12D50H | 5-50 | 50/25/5 | 0.8/1.4/6 | 0.4/0.8/3 | 0.05 | 200 |
| 8011282 | TP12D100H | 10-100 | 100/50/10 | 0.8/0.6/4 | 0.3/0.6/2 | 0.1 | 200/300 |
| 8011283 | TP12D200H | 20-200 | 200/100/20 | 0.8/1.4/4 | 0.3/0.6/1.5 | 0.2 | 200/300 |
| 8011284 | TP12D300H | 30-300 | 300/150/30 | 0.6/1.2/3 | 0.3/0.6/1.5 | 0.3 | 300 |

P Series Variable Volume 12 Channel Micropipette (Ejector 121°C autoclavable)

| Cat.No. | Code.No. | Volume | | | | | |
|---------|----------|----------------------|-------------------|---------------|--------------|-------------------|----------------------|
| | | Volume range μ l | Increment μ l | A* \leq ± % | CV* \leq % | Increment μ l | Type of tips μ l |
| 8011290 | TP12D10 | 0.5-10 | 10/5/1 | 1.6/2/8 | 1.0/2/6 | 0.01 | 20 |
| 8011291 | TP12D50 | 5-50 | 50/25/5 | 0.8/1.4/6 | 0.4/0.8/3 | 0.05 | 200 |
| 8011292 | TP12D100 | 10-100 | 100/50/10 | 0.8/0.6/4 | 0.3/0.6/2 | 0.1 | 200/300 |
| 8011293 | TP12D200 | 20-200 | 200/100/20 | 0.8/1.4/4 | 0.3/0.6/1.5 | 0.2 | 200/300 |
| 8011294 | TP12D300 | 30-300 | 300/150/30 | 0.6/1.2/3 | 0.3/0.6/1.5 | 0.3 | 300 |

Calibrated to deliver (TD, Ex). Error limits according to the nominal capacity (=maximum volume) indicated on the instrument, obtained with instrument and distilled water at equilibrium with ambient temperature at 20 °C, and with smooth, steady operation. The error limits are within the limits of DIN EN ISO 8655-2. Conformity certified to DIN 12 600. A = Accuracy, CV = Coefficient of variation

STRAW MICROPIPETTE

The straw micropipette allows subsequent pipetting of 0.1 to 1.0 ml of same liquid, this variable volume instrument provides greater cost and time efficiency, A universal metal nozzle accommodates straw tips (length 240 mm, diameter 4 mm), most adequate to aspirate from deep, narrow vials or stomacher bags. which is good ideal for replacing glass and plastic pipettes for bacteriology applications



- Smooth activation,excellent ergonomics
- Fully autoclavable 121°C / 250°F
- Easy maintenance, cleaning and disinfection
- Eject mechanism automatically
- Digital volume showing



STRAW MICROPIPETTE ORDERING INFORMATION

| Cat.No. | Code.No. | Volume range | Accuracy (%) | | Coefficient of variation (%) | |
|---------|----------|--------------|--------------|-----------|------------------------------|-----------|
| | | | Min. vol. | Max. vol. | Min. vol. | Max. vol. |
| 8011540 | TS-1M | 0.1-1ml | <± 2.0% | <± 0.5% | < 2.5% | < 0.4% |

STERILE STRAW TIPS ORDERING INFORMATION

| Cat.No. | Code.No. | SPECIFICATION |
|-----------|----------|--|
| 8011540-1 | TTS-240 | length 240 mm, diameter 4 mm (50pcs /bag) |

Fixed volume Micropipette

New designing for smooth activation, excellent ergonomics, easy maintenance and fully autoclavable

- Precision calibration
- Recalibration mechanism



- Calibration adjustment with simple tools!



Pipette button

The centrally mounted, large pipetting button allows uniform smooth movement of the piston.

Human engineering design

True one-handed operation for both right-and left-handers

Volume coded

Easy distinguish

Maximum protection

Completely autoclavable at 121°C(20min)without disassembly-for maximum protection from contaminaton

Slim pipette shaft

The slim shaft allows pipetting into narrow vessels,without removing the tip ejector.

Maximum compatibility

New tip cone design offers excellent fit with Pipette tips and broadest compatibility with tips from most other Manufacturers.

Fixed volume Micropipette :

| Cat.No. 121°C Autoclavable | Code No. 121°C Autoclavable | Cat.No. | Code No. | Volume | Accuracy | | CV | |
|-------------------------------|--------------------------------|---------|----------|--------|----------|------|-------|-------|
| | | | | | ≤ % | ± ul | ≤ % | ± ul |
| 8011122 | TF05H | 8011132 | TF05 | 5µl | 2.0% | 0.1 | 0.80% | 0.04 |
| 8011123 | TF10H | 8011133 | TF10 | 10µl | 1.0% | 0.1 | 0.50% | 0.05 |
| 8011124 | TF20H | 8011134 | TF20 | 20µl | 1.0% | 0.2 | 0.30% | 0.06 |
| 8011125 | TF25H | 8011135 | TF25 | 25µl | 1.0% | 0.25 | 0.30% | 0.075 |
| 8011126 | TF50H | 8011136 | TF50 | 50µl | 1.0% | 0.5 | 0.30% | 0.15 |
| 8011127 | TF100H | 8011137 | TF100 | 100µl | 1.0% | 1.0 | 0.25% | 0.25 |
| 8011128 | TF200H | 8011138 | TF200 | 200µl | 0.8% | 1.6 | 0.20% | 0.4 |
| 8011129 | TF250H | 8011139 | TF250 | 250µl | 0.8% | 2.0 | 0.20% | 0.5 |
| 8011130 | TF500H | 8011140 | TF500 | 500µl | 0.8% | 4.0 | 0.20% | 1.0 |
| 8011131 | TF1000H | 8011141 | TF1000 | 1000µl | 0.8% | 8.0 | 0.20% | 2.0 |

Motorize pipette controller

SPECIFICATIONS

- Weight: 190 g
- Operating and charging temperature: +10°C to +35°C
- Pipetting speed: 50ml in less than 10 seconds
- For glass and plastic pipettes from 0.1 to 200ml
- Approx. twelve hours of continuous pipetting (with a 10ml pipette)
- Without recharging
- Battery pack: Lithium battery 2.4V/700mah



operating

- **comfortable:**
Ergonomic handgrip, weight only 190g, perfectly balanced design - for fatigue-free pipetting even in prolonged operations.
- **single-handed operation :**
With pipette controller, you have continuously variable speed control using just two buttons. In addition, you can select your preferred maximum motor speed to improve sensitivity and control with low-volume pipettes.
- **powerful and quiet:**
At maximum motor speed, a 50 ml pipette is filled in less than 10 seconds. Now that's fast! Motor and pump operate quietly and with very low vibration. The longer you use it, the more you will appreciate it.
- **advanced charging :**
The intelligent battery charger prevents overcharging of the NiMH battery. It effectively reduces the lazy-battery effect (shortened operating time due to premature recharging). No need to worry about having enough battery power left to finish your series. A flashing LED light will alert you approx. two hours in advance.
- **tidy storage:**
Keep your instrument within reach by placing it inverted on your lab bench. Or store it in the wall support, saving space.
- **four colors:**
Select from four colors to individualize your pipette controller.



Order information:

| Cat.No. | Part No. | Colour |
|---------|----------|------------|
| 8011160 | TEL01 | Dark blue |
| 8011161 | TEL02 | Magenta |
| 8011162 | TEL03 | Dark Green |
| 8011163 | TEL04 | Gray |

Pipette pump

Topscien launched the most economical and durable for small capacity liquid transferring which is true .

Pipette pump : Performance and feature

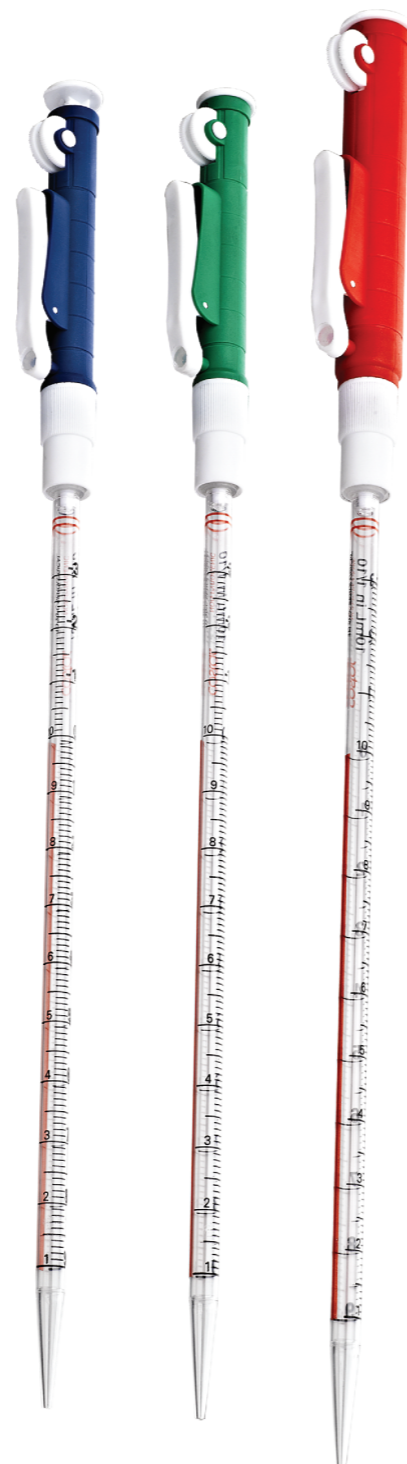
- Economical
- Highly gas tightness
- Environment-friendly materials
- Lightweight and dexterous for operation
- Durable and unnecessary maintenance



- Recalibration mechanism

Order information:

| Cat.No. | Code No. | Volume | Colour |
|---------|----------|--------|---------------|
| 801101 | TP02W | 2ml | Bule + White |
| 801102 | TP10W | 10ml | Green + White |
| 801103 | TP25W | 25ml | Red + White |



Manual pipette controller



Performance and feature

- Unnecessary maintenance
- Chemical resistance
- Human engineering design
- Lightweight and Structure strong
- Lightweight and dexterous for operation
- A wide range volume for liquid controlling



Filling

Squeeze the suction bellows. It allows aspiration up to 50ml with one compression. The fill rate is continuously variable with the pipetting lever.



Delivery

To discharge the liquid, simply press down the lever. The valve system is designed so that flow rate does not affect accuracy.



Blow-out function

When using blow-out pipettes, press the convenient blow-out bulb once the meniscus has come to rest in the jet. Pipetting has never been easier.

The economical design philosophy for Topscien Manual pipette controller which the silicone adapter can be fit the entire range of volumetric and graduated pipettes, both glass and plastic , from 0.1 to 200ml.

There is no need for multiple instruments. The pipette controller is fully autoclavable at 121°C.



Order information

| Cat.No. | Code No. | Volume | Colour |
|---------|----------|-------------|-------------------------------|
| 801107 | TL01B | 0.1ml-100ml | Blue parts + Gray ball |
| 801108 | TL01Y | 0.1ml-100ml | Yellow parts + Gray ball |
| 801109 | TL01R | 0.1ml-100ml | Red parts + Gray ball |
| 801110 | TL01G | 0.1ml-100ml | Green parts + Gray ball |
| 801111 | TL01C | 0.1ml-100ml | Gray parts + Gray ball |
| 801112 | TL02B | 0.1ml-100ml | Blue parts + Black cylinder |
| 801113 | TL02Y | 0.1ml-100ml | Yellow parts + Black cylinder |
| 801114 | TL02R | 0.1ml-100ml | Red parts + Black cylinder |
| 801115 | TL02G | 0.1ml-100ml | Green parts + Black cylinder |
| 801116 | TL02C | 0.1ml-100ml | Gray parts + Black cylinder |
| 801117 | TL03B | 0.1ml-100ml | Blue parts + Gray cylinder |
| 801118 | TL03Y | 0.1ml-100ml | Yellow parts + Gray cylinder |
| 801119 | TL03R | 0.1ml-100ml | Red parts + Gray cylinder |
| 801120 | TL03G | 0.1ml-100ml | Green parts + Gray cylinder |
| 801121 | TL03C | 0.1ml-100ml | Gray parts + Gray cylinder |