

# MULTI CHANNEL PIPETTE



# MULTI CHANNEL PIPETTE

New ergonomic technology and innovative design makes it one of the most innovative pipettes in the market. Multi Channel Pipettes are designed to aspirate and dispense liquid volumes while eliminating many of the potential error risks. Its operation remains correct and controlled, volume settings can be set to prevent accidental volume changes. Used in ELISA, PCR, Cell Culture, Chemistry, Biology, Medical, Laboratory, Research, Liquid Handling Task, Institutes, Pharmaceutical, Industrial, Microbiology.

Also known as Laboratory Multi Channel Pipette.

## PIP21 VARIABLE VOLUME 8 CHANNEL MICROPIPETTE

Light weight

Rotating dispensing head for optimal pipetting convenience.

Due to the optimized standard design of the tip cone, it can be compatible with a wide range of hand of tips.

Large central pipetting button and separate ejection function

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

Completely autoclavable at 121°C(20min)

Volume-change protection

4-Position volume display, always clearly visible externally

Short stroke of only 12.5mm to reduce the risk of RSI( Repetitive Strain Injury)

Corrosion-resistant piston and ejector

Color-coded for easy selection of the right tip

Individual shafts with seals can be easily unscrewed for cleaning or replacing-eliminates expense and long outages.



## SPECIFICATIONS

Model	PIP21-0010	PIP21-050	PIP21-100	PIP21-200
Autoclavable	121°C			
Volume	0.5-10 µl	5-50 µl	10-100 µl	20-200 µl
Volume Step (µl)	10/05/01	50/25/5	100/50/10	200/100/20
Increment (µl)	0.01	0.05	0.1	0.2
Accuracy* $\leq \pm\%$	1.6/2/8	0.8/1.4/6	0.8/1.4/4	
CV* $\leq\%$	1.0/2/6	0.4/0.8/3	0.3/0.6/2	0.3/0.6/1.5
Type of tips (µl)	20	200	200/300	
Unit	20			

Model	PIP21-300	PIP21-010E	PIP21-050E	PIP21-100E
Autoclavable	121°C	Ejector 121°C		
Volume	30-300 µl	0.5-10 µl	5-50 µl	10-100 µl
Volume Step (µl)	300/150/30	10/05/01	50/25/5	100/50/10
Increment (µl)	0.3	0.01	0.05	0.1
Accuracy* $\leq \pm\%$	0.6/1.2/3	1.6/2/8	0.8/1.4/6	0.8/1.4/4
CV* $\leq\%$	0.3/0.6/1.5	1.0/2/6	0.4/0.8/3	0.3/0.6/2
Type of tips (µl)	300	20	200	200/300
Unit	20			

Model	PIP21-200E	PIP21-300E
Autoclavable	Ejector 121°C	
Volume	20-200 $\mu$ l	30-300 $\mu$ l
Volume Step ( $\mu$ l)	200/100/20	300/150/30
Increment ( $\mu$ l)	0.2	0.3
Accuracy* $\leq \pm\%$	0.8/1.4/4	0.6/1.2/3
CV* $\leq\%$	0.3/0.6/1.5	
Type of tips ( $\mu$ l)	200/300	300
Unit	20	



PIP21-0010



PIP21-050



PIP21-100



PIP21-200



PIP21-300



PIP21-010E



PIP21-050E



PIP21-100E



PIP21-200E



PIP21-300E

# PIP22 VARIABLE VOLUME 12 CHANNEL MICROPIPETTE

Light weight

Rotating dispensing head for optimal pipetting convenience.

Due to the optimized standard design of the tip cone, it can be compatible with a wide range of hand of tips.

Large central pipetting button and separate ejection function

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

Completely autoclavable at 121°C(20min)

Volume-change protection

4-Position volume display, always clearly visible externally

Short stroke of only 12.5mm to reduce the risk of RSI( Repetitive Strain Injury)

Corrosion-resistant piston and ejector

Color-coded for easy selection of the right tip

Individual shafts with seals can be easily unscrewed for cleaning or replacing-eliminates expense and long outages.



## SPECIFICATIONS

Model	PIP22-010	PIP22-050	PIP22-100	PIP22-200
Autoclavable	121°C			
Volume	0.5-10 µl	5-50 µl	10-100 µl	20-200 µl
Volume Step (µl)	10/05/01	50/25/5	100/50/10	200/100/20
Increment (µl)	0.01	0.05	0.1	0.2
Accuracy* $\leq \pm\%$	1.6/2/8	0.8/1.4/6	0.8/1.4/4	
CV* $\leq\%$	1.0/2/6	0.4/0.8/3	0.3/0.6/2	0.3/0.6/1.5
Type of tips (µl)	20	200	200/300	
Unit	5			

Model	PIP22-300	PIP22-010E	PIP22-050E	PIP22-100E
Autoclavable	121°C	Ejector 121°C		
Volume	30-300 µl	0.5-10 µl	5-50 µl	10-100 µl
Volume Step (µl)	300/150/30	10/05/01	50/25/5	100/50/10
Increment (µl)	0.3	0.01	0.05	0.1
Accuracy* $\leq \pm\%$	0.6/1.2/3	1.6/2/8	0.8/1.4/6	0.8/1.4/4
CV* $\leq\%$	0.3/0.6/1.5	1.0/2/6	0.4/0.8/3	0.3/0.6/2
Type of tips (µl)	300	20	200	200/300
Unit	5			

Model	PIP22-200E	PIP22-300E
Autoclavable	Ejector 121°C	
Volume	20-200 µl	30-300 µl
Volume Step (µl)	200/100/20	300/150/30
Increment (µl)	0.2	0.3
Accuracy* $\leq \pm\%$	0.8/1.4/4	0.6/1.2/3
CV* $\leq\%$	0.3/0.6/1.5	
Type of tips (µl)	200/300	300
Unit	5	



PIP22-010



PIP22-050



PIP22-100



PIP22-200



PIP22-300



PIP22-010E



PIP22-050E



PIP22-100E



PIP22-200E



PIP22-300E

## PIP23 VARIABLE VOLUME 8 CHANNEL MICROPIPETTE

Light weight

Rotating dispensing head for optimal pipetting convenience.

Due to the optimized standard design of the tip cone, it can be compatible with a wide range of hand of tips.

Large central pipetting button and separate ejection function

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

Completely autoclavable at 121°C(20min)

Volume-change protection

4-Position volume display, always clearly visible externally

Short stroke of only 12.5mm to reduce the risk of RSI( Repetitive Strain Injury)

Corrosion-resistant piston and ejector

Color-coded for easy selection of the right tip

Individual shafts with seals can be easily unscrewed for cleaning or replacing-eliminates expense and long outages.



### SPECIFICATIONS

Model	PIP23-010	PIP23-050	PIP23-100
Autoclavable		121°C	

Volume	0.5-10 µl	5-50 µl	10-100 µl
Volume Step (µl)	10/05/01	50/25/5	100/50/10
Increment (µl)	0.01	0.05	0.1
Accuracy* $\leq \pm\%$	1.6/2/8	0.8/1.4/6	0.8/1.4/4
CV* $\leq\%$	1.0/2/6	0.4/0.8/3	0.3/0.6/2
Type of tips (µl)	20	200	200/300
Unit	5		

Model	PIP23-200	PIP23-300
Autoclavable	121°C	
Volume	20-200 µl	30-300 µl
Volume Step (µl)	200/100/20	300/150/30
Increment (µl)	0.2	0.3
Accuracy* $\leq \pm\%$	0.8/1.4/4	0.6/1.2/3
CV* $\leq\%$	0.3/0.6/1.5	
Type of tips (µl)	200/300	300
Unit	5	



PIP23-010



PIP23-050



PIP23-100



PIP23-200



PIP23-300

# PIP24 VARIABLE VOLUME 12 CHANNEL MICROPIPETTE

Light weight

Rotating dispensing head for optimal pipetting convenience.

Due to the optimized standard design of the tip cone, it can be compatible with a wide range of hand of tips.

Large central pipetting button and separate ejection function

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

Completely autoclavable at 121°C(20min)

Volume-change protection

4-Position volume display, always clearly visible externally

Short stroke of only 12.5mm to reduce the risk of RSI( Repetitive Strain Injury)

Corrosion-resistant piston and ejector

Color-coded for easy selection of the right tip

Individual shafts with seals can be easily unscrewed for cleaning or replacing-eliminates expense and long outages.



## SPECIFICATIONS

Model	PIP24-010	PIP24-050	PIP24-100
Autoclavable	121°C		
Volume	0.5-10 µl	5-50 µl	10-100 µl
Volume Step (µl)	10/05/01	50/25/5	100/50/10
Increment (µl)	0.01	0.05	0.1
Accuracy* $\leq \pm\%$	1.6/2/8	0.8/1.4/6	0.8/1.4/4
CV* $\leq\%$	1.0/2/6	0.4/0.8/3	0.3/0.6/2
Type of tips (µl)	20	200	200/300
Unit	5		

Model	PIP24-200	PIP24-300
Autoclavable	121°C	
Volume	20-200 µl	30-300 µl
Volume Step (µl)	200/100/20	300/150/30
Increment (µl)	0.2	0.3
Accuracy* $\leq \pm\%$	0.8/1.4/4	0.6/1.2/3
CV* $\leq\%$	0.3/0.6/1.5	
Type of tips (µl)	200/300	300
Unit	5	



PIP24-010



PIP24-050



PIP24-100



PIP24-200



PIP24-300

***Centrifugen***

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