



 **MS** major
science

Innovative Life Sciences Tools

2021-2022 Catalogue

version 1.0

Pipette



Life Sciences Research

Liquid Handling

Major Science offers customers high-quality pipettes with a combination of accuracy, comfort, reliability and ergonomics. The cutting-edge and innovative design of MS pipettes provide a great user experience.

▣ MS Pipette

40-41

MS Pipette



MS Pipette

MSP series



MS Pipette is a reliable instrument that can perform accurate, contamination-free experiment with ease.

Based on the latest innovation in terms of ergonomics and comfort, the main body is designed for easy operation by either right or left hand, big or small hand. The new piston mechanism design requires low pipetting force and low maintenance frequency. The robust construction is fully autoclavable and chemical resistant, which provides user contamination-free and safe experiment environment.

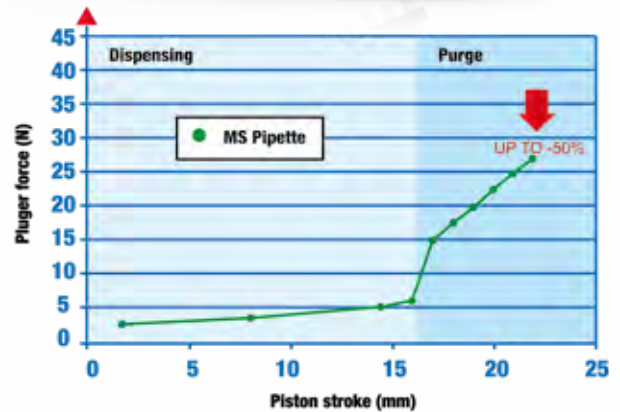
On site calibration is easy to perform. In addition, MS Pipette is compatible with a majority of brands of tips on the market. With ISO certification, Major Science provides customers with the "Best Value" combination of quality, features, service and price. All accessory parts are available through Major Science service centers.



Pipette Stand, with additional alcohol sprayer



180° spray head



Conception of new seals and lighter springs and use of high quality lubricant:

- Reduce pipetting and purge forces by 50%
- Have an easy glide of the piston
- Maintain an adequate ratio (~1/3) between pipetting forces and purge forces to feel confident in results
- Maintain quality and robustness of our pipetting system.

- Light weight
- Soft spring system for extremely low pipetting forces
- Controlled volume setting to prevent accidental volume changes
- Different color coded push button for different volume
- Contoured shape: fits either small or large hands
- Large pushbutton, rounded and freely rotating
- Finger hook: takes the weight, for a more relaxed grip
- 3-position tip ejector button (left/right handed users)
- Easy on site calibration (calibration key included)
- High accuracy and precision
- A unique serial number
- UV resistance even under prolonged exposure
- Fully autoclavable (121°C/0.1MPa/20 min)



Ordering Information

Cat. No	Description
MSP-2	MS pipette, variable volume 0.2~2µl
MSP-10	MS pipette, variable volume 1~10µl
MSP-20	MS pipette, variable volume 2~20µl
MSP-100	MS pipette, variable volume 10~100µl
MSP-200	MS pipette, variable volume 20~200µl
MSP-1000	MS pipette, variable volume 100~1000µl
MSP-5000	MS pipette, variable volume 500~5000µl
MSP-10000	MS pipette, variable volume 1000~10000µl
MSP-8X10	MS 8-ch pipette, variable volume 0.5~10µl
MSP-8X20	MS 8-ch pipette, variable volume 2~20µl
MSP-8X200	MS 8-ch pipette, variable volume 20~200µl
MSP-8X300	MS 8-ch pipette, variable volume 20~300µl
MSP-12X10	MS 12-ch pipette, variable volume 0.5~10µl
MSP-12X20	MS 12-ch pipette, variable volume 2~20µl
MSP-12X200	MS 12-ch pipette, variable volume 20~200µl
MSP-12X300	MS 12-ch pipette, variable volume 20~300µl
MSP-ST02	Pipette Stand, with additional alcohol sprayer



Single Channel Models									
Cat No.	Volume (µL)	SPECIFICATIONS				ISO 8655			
		Systematic Error		Random Error		Systematic Error		Random Error	
		(µL)	(%)	(µL)	(%)	(µL)	(%)	(µL)	(%)
MSP-2	0.2	±0.026	±13.2%	MSP-2	0.2	±0.026	±13.2%	MSP-2	0.2
	2	±0.033	±1.7%		2	±0.033	±1.7%		2
MSP-10	1	±0.028	±2.8%	MSP-10	1	±0.028	±2.8%	MSP-10	1
	10	±0.110	±1.1%		10	±0.110	±1.1%		10
MSP-20	2	±0.11	±5.5%	MSP-20	2	±0.11	±5.5%	MSP-20	2
	20	±0.20	±1.0%		20	±0.20	±1.0%		20
MSP-100	10	±0.39	±3.9%	MSP-100	10	±0.39	±3.9%	MSP-100	10
	100	±0.80	±0.8%		100	±0.80	±0.8%		100
MSP-200	20	±0.55	±2.8%	MSP-200	20	±0.55	±2.8%	MSP-200	20
	200	±1.60	±0.8%		200	±1.60	±0.8%		200
MSP-1000	100	±3.3	±3.3%	MSP-1000	100	±3.3	±3.3%	MSP-1000	100
	1000	±0.8	±8.0%		1000	±0.8	±8.0%		1000
MSP-5000	500	±13	±2.6%	MSP-5000	500	±13	±2.6%	MSP-5000	500
	5000	±33	±0.7%		5000	±33	±0.7%		5000
MSP-10000	1000	±33	±3.3%	MSP-10000	1000	±33	±3.3%	MSP-10000	1000
	10000	±60	±0.6%		10000	±60	±0.6%		10000

Multichannel Models									
MSP-8X10	0.5	±0.09	±17.6%	MSP-8X10	0.5	±0.09	±17.6%	MSP-8X10	0.5
MSP-8X20	2	±0.11	±5.5%	MSP-8X20	2	±0.11	±5.5%	MSP-8X20	2
MSP-8X200	20	±0.6	±2.8%	MSP-8X200	20	±0.6	±2.8%	MSP-8X200	20
MSP-8X300	20	±1.1	±3.7%	MSP-8X300	20	±1.1	±3.7%	MSP-8X300	20
MSP-12X10	10	±0.22	±2.2%	MSP-12X10	10	±0.22	±2.2%	MSP-12X10	10
MSP-12X20	20	±0.40	±2.0%	MSP-12X20	20	±0.40	±2.0%	MSP-12X20	20
MSP-12X200	200	±2.2	±1.1%	MSP-12X200	200	±2.2	±1.1%	MSP-12X200	200
MSP-12X300	300	±3.3	±1.1%	MSP-12X300	300	±3.3	±1.1%	MSP-12X300	300

Precise volume adjustment & light pipetting forces



Use the serial number to identify the pipette and to determine its age.

MS Pipette

SINGLE CHANNEL
is available in 8 models and covers the volume range from 0.2µL to 10mL



MS Pipette

MULTI CHANNEL
is available in 8 models and covers the volume range from 0.5µL to 300µL.






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