

Hamilton SoftGrip™ Pipettes; 2nd Generation – The

Outstanding Quality

The SoftGrip pipette, with its award-winning, innovative design,* is built to last just like our precision syringe products. SoftGrip manual pipettes are completely autoclavable for easy decontamination and sterilization.

Total Comfort

The soft, ergonomic shape and low plunger forces of the SoftGrip pipette reduce hand and wrist fatigue as compared to other pipettes. Using SoftGrip pipettes decreases the risk factors associated with pipette-related repetitive stress injuries such as carpal tunnel syndrome.

Guaranteed Accuracy and Precision

SoftGrip pipettes deliver superior accuracy and precision. Every pipette is calibrated at the factory with standards traceable to NIST and shipped with a Certificate of Calibration documenting the pipette's accuracy and precision. Accuracy is guaranteed with Hamilton AdvanTip™ Precision Pipette Tips.

*Outstanding design awards received from Industrial Designers Society of America, Business Week for Medical & Scientific Products, and the Chicago Athenaeum Museum of Architecture and Design.

Volume Indicator

Dual pointer simplifies volume adjustment.



Enhanced Comfort

Separate tip ejector button with curved shape reduces hand motion.



Soft Plunger Action

Low-force, sloped plunger button lessens thumb extension and overuse.



New Standard for Quality, Comfort and Precision



One Stroke Tip Ejection
Lever-action ejector removes all tips on the first stroke and is easily re-set for left-handed operation.

Relaxed Grip
Ergonomically contoured handle with soft, non-slip surface fits perfectly in your hand to minimize fatigue.

Maintains Volume Setting
Isolated volume adjustment ring prevents accidental volume changes.

Light, Balanced Feel
Curved hilt supports the pipette to provide finer control while pipetting.

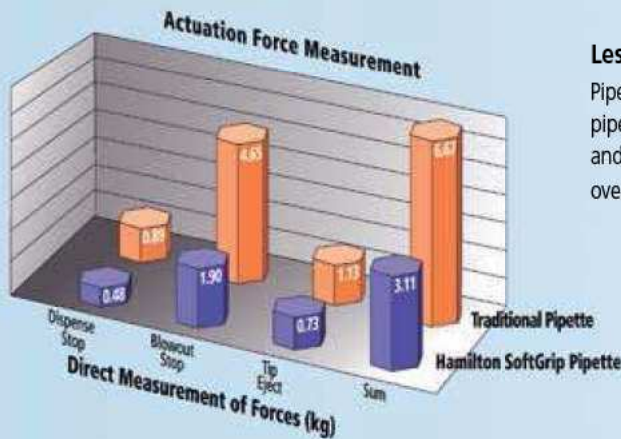


Ergonomics

SoftGrip™ Pipettes

The Best Ergonomic Pipette, Proven Scientifically in an Independent Study

Use of the SoftGrip pipette decreases several of the risk factors associated with the development of repetitive stress injuries, including carpal tunnel syndrome.



Less Force = Less Fatigue and Discomfort

Pipette actuation force measurements were taken for the three pipetting actuation forces: (1) Dispense Stop, (2) Blowout Stop, and (3) Tip Eject. SoftGrip pipettes require less than half the overall force when compared to a traditional pipette.

Less Fatigue and Discomfort = Increased User Satisfaction



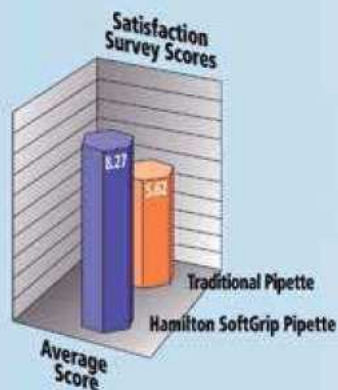
Fatigue Experiment

Loss in strength was measured following a one-hour pipetting session. Power grip strength retention was more than five times better with SoftGrip pipettes. Pinch grip strength loss was nearly half that experienced with a traditional pipette.



Discomfort Rating

Using the widely accepted Borg 10 point scale for discomfort, the SoftGrip pipette showed less than half the discomfort experienced with a traditional pipette after a one hour pipetting session.



Highest User Satisfaction

The SoftGrip pipette received the highest average score out of 10 possible for 11 different aspects of a pipette, including plunger and eject forces, weight, diameter, and texture.

SoftGrip™ Pipettes – Single Channel

- **Wide Selection of Ergonomic Pipettes**
- **Completely Autoclavable**
- **Guaranteed Accuracy and Precision**

SoftGrip pipettes routinely receive the highest user satisfaction score of 10 on 11 different aspects of a pipette, including plunger and eject forces, weight, diameter, and texture. Choose from six adjustable volume and ten fixed volume SoftGrip pipettes covering 0.2 μ L to 1 mL. All pipettes have color-coded plunger buttons and labels for easy volume identification.

SoftGrip air-displacement pipettes are built from high quality, state-of-the-art materials designed to provide years of reliable service. All pipettes are completely autoclavable for easy decontamination and sterilization without the need for disassembly and recalibration.

The isolated volume ring prevents accidental volume changes. A magnified, easy-to-read micrometer ensures reproducible, accurate volume setting. Each pipette meets or exceeds industry standards for accuracy and precision when used with Hamilton Universal AdvanTip™ Precision Pipette Tips.



Manual Single Channel Pipettes

SoftGrip™ Adjustable Volume Pipettes, 0.2 µL - 1 mL

Part No.	Volume	Increments (µL)	Color	At 10% of Pipette Volume		At 100% of Pipette Volume	
				Accuracy within ±%	Precision within +%	Accuracy within ±%	Precision within +%
55019-30	0.2-2 µL	0.002	Aqua	8.00	4.00	1.20	0.60
55019-32	1-10 µL	0.02	Purple	2.50	1.20	0.80	0.40
55019-34	2.5-25 µL	0.02	Forest Green	4.50	1.50	0.80	0.20
55019-36	10-100 µL	0.2	Violet	1.80	0.70	0.60	0.15
55019-38	30-300 µL	0.2	Brick Red	1.20	0.40	0.40	0.15
55019-40	100 µL-1 mL	2.0	Sky Blue	1.60	0.50	0.30	0.12

SoftGrip Fixed Volume Pipettes, 5 µL - 1 mL

Part No.	Volume	Color	At 100% of Pipette Volume	
			Accuracy within ±%	Precision within +%
55019-01	5 µL	Steel Blue	1.40	0.75
55019-03	10 µL	Purple	0.80	0.40
55019-05	25 µL	Forest Green	0.80	0.30
55019-07	50 µL	Sandstone	0.60	0.30
55019-09	100 µL	Violet	0.50	0.20
55019-11	200 µL	Mustard	0.40	0.18
55019-13	250 µL	Burnt Orange	0.40	0.18
55019-15	300 µL	Brick Red	0.40	0.18
55019-17	500 µL	Olive Green	0.40	0.18
55019-19	1 mL	Sky Blue	0.30	0.12

Selecting the Right Hamilton AdvanTip™ Pipette Tip

Pipette Part No.	Pipette Volume	Hamilton Tip	Page No.	Pipette Part No.	Pipette Volume	Hamilton Tip	Page No.
55019-30	0.2-2 µL	10 µL	21 and 22	55019-01	5 µL	10 µL	21 and 22
55019-32	1-10 µL	10 µL	21 and 22	55019-03	10 µL	10 µL	21 and 22
55019-34	2.5-25 µL	200 µL	21 and 22	55019-05	25 µL	200 µL	21 and 22
55019-36	10-100 µL	200 µL	21 and 22	55019-07	50 µL	200 µL	21 and 22
55019-38	30-300 µL	300 µL	21 and 22	55019-09	100 µL	200 µL	21 and 22
55019-40	100 µL-1 mL	1000 µL	21 and 22	55019-11	200 µL	200 µL	21 and 22
				55019-13	250 µL	300 µL	21 and 22
				55019-15	300 µL	300 µL	21 and 22
				55019-17	500 µL	1000 µL	21 and 22



SoftGrip Single Channel Pipette Carousel

Keeps pipettes safe and within easy reach. Constructed of heavy, solvent-resistant plastic.

Part No.	Description
53578-01	Holds Six Single and Multi-Channel Pipettes



Calibration Labels

Quickly record and view calibration data with labels placed on your pipettes.

Part No.	Description
1987-01	Calibration Labels, 120/pk



Calibration Key

For simple calibration in the field.

Part No.	Description
34002	Calibration Key

SoftGrip™ Pipettes – Multi-Channel

- **Easily Adjusts for Left-Hand Operation**
- **Completely Autoclavable**
- **Guaranteed Accuracy and Precision**

Hamilton SoftGrip pipettes are available as 8-channel and 12-channel adjustable volume manual pipettes in two volume ranges covering 5 μ L to 50 μ L and 30 μ L to 300 μ L. The pipettes have color-coded plunger buttons and labels for quick volume identification.

The unique, long tip ejector lever and movable lower body can be rotated a full 360° relative to the handle to provide maximum comfort for left- or right-handed use. Additionally, the easily activated tip ejector lever releases all the tips in single stroke.

Made of the finest materials, the entire SoftGrip multi-channel pipette can be autoclaved without the need for disassembly or recalibration.

Accuracy and precision is guaranteed when used with Hamilton Universal AdvanTip™ Precision Pipette Tips.



Manual Multi-Channel Pipettes

SoftGrip™ Multi-Channel Pipettes, 8-Channel, 5 µL - 300 µL

Part No.	Volume	Increments (µL)	Color		Accuracy within ±%	Precision within +%	Accuracy within ±%	Precision within +%
55019-50	5-50 µL x 8	0.02	Sandstone	●	2.00	2.00	0.80	0.35
55019-52	30-300 µL x 8	0.2	Brick Red	●	1.20	0.70	0.50	0.30

SoftGrip Multi-Channel Pipettes, 12-Channel, 5 µL - 300 µL

Part No.	Volume	Increments (µL)	Color		Accuracy within ±%	Precision within +%	Accuracy within ±%	Precision within +%
55019-54	5-50 µL x 12	0.02	Sandstone	●	5.00	2.00	1.00	0.50
55019-56	30-300 µL x 12	0.2	Brick Red	●	2.40	1.20	1.00	0.50

Selecting the Right Hamilton AdvanTip™ Pipette Tip

Pipette Part No.	Pipette Volume	Hamilton Tip	Page No.
55019-50	5-50 µL x 8	200 µL	21 and 22
55019-52	30-300 µL x 8	300 µL	21 and 22
55019-54	5-50 µL x 12	200 µL	21 and 22
55019-56	30-300 µL x 12	300 µL	21 and 22



SoftGrip Multi-Channel Pipette Stand

Keeps pipette safe and within easy reach. Constructed of heavy, non-skid, metallic casting.

Part No.	Description
34195	Holds One Multi-Channel Pipette



Calibration Labels

Quickly record and view calibration data with labels placed on your pipettes.

Part No.	Description
1987-01	Calibration Labels, 120/pk



Calibration Key

For simple calibration in the field.

Part No.	Description
34002	Calibration Key

Distributed by:



Carl Stuart Limited

ADVANCED APPLIED TECHNOLOGIES

Contact Us:

Irl Ph: 01 4523432

UK Ph: 08452 30 40 30

Web: www.carlstuart.com

Email: info@carlstuart.com

Promotions

For Hamilton SoftGrip™ pipette promotions please contact your local Hamilton distributor.



Soft Contoured Handle

The SoftGrip handle reduces strain on the user resulting from continuous and repetitive operation.

Curved Hilt

The hilt allows the pipette to hang freely from the hand further reducing the hand strain associated with repetitive pipetting.

Low Plunger and Ejector Force

A soft plunger spring and enlarged ejector button minimizes the force required for operation. Decreased forces will result in less fatigue and repetitive stress injuries.

Color Coded Volumes

Unique color coding and labeling clearly indicates the volume of the pipette as well as the acceptable working range for adjustable volume pipettes.

Isolated Volume Adjustment

The unique location of the volume adjustment ring reduces accidental volume changes.

Improved Volume Indication

The dual needle indicator improves volume adjustment accuracy by removing parallax errors.

Universal Tips

The SoftGrip's universal tip nozzle ensures a proper fit with universal pipette tips. The quality of the tip used will affect the pipettes overall accuracy and precision. High quality Hamilton AdvanTips™ are recommended for all applications.

Slim Ejection Sleeve

The ejector sleeve is made from a high strength, chemically resistant polymer. The slim design allows the pipette to reach to the bottom of narrow tubes without the need for extended length tips.

Simple Calibration

A Universal Calibration Key reduces the need for costly calibration services. Calibration requires only minutes to perform and eliminates the downtime and cost of alternative calibration methods.