

Manual micropipettes

The Acura® manual 815, 825, 826XS, 835, 855

- **The micro-, macro-, multichannel, and fixed volume pipette models**
- **Micropipette saver packs**
- **Dilution pipette**
- **Pipette stands**
- **Premium pipette tips**
- **Reagent Reservoirs**
- **Pasteurs, straws and filters**
- **Sterilization pouches**



Manual micropipettes

The Acura® manual models

The Acura® manual micropipettes are combining high-tech materials with exceptional, user-friendly ergonomics. A wide choice of models offers much more than superior performance and makes pipetting safe and comfortable.

- Smart and reliable volume adjustment
- Single-handed volume setting
- Precision digital display visible at all time
- Justip™ adjustable tip ejector fitting most tips
- Swift-set user calibration system
- Shock, UV light and autoclaving resistance

See pipette stands page 18

See pipette tips page 20



Most comfortable pipetting

The Acura® manual fits everybody's hand with or without glove. Ergonomic shape, light weight and soft plunger travel care for better comfort.

Ejector button

Ergonomically positioned, the large surface, soft-padded ejector provides for low-pressure activation.

Smart and reliable volume adjustment

State-of-the-art micrometric setting is performed smoothly and precisely by turning the push button. Finely machined click-stops and free rotating cap prevent any unwanted volume alteration.

Digital display always visible at a glance

Located on the front of the instrument, the display window allows the user to comfortably read the set volumes at any time during pipetting. A comforting reassurance for the user.

Minimum maintenance / sterilization

Easy disassembling for thorough cleaning. Sterilization achieved by autoclaving instrument fully assembled (121°C / 250°F).





Adjustable tip ejection

Ejector shaft height adjustment system called Justip™ allows a wide selection of tips to tightly fit the nozzle.



Instant calibration

Swift-set user calibration system - with integrated key and locking mechanism - makes tedious procedures a thing of the past. Easy and precise, it is in full compliance with international standards and recommendations.



Safety seal

Though easily removed when needed, the switch protection seal is autoclaving resistant.

Calibration seal stickers		Cat. No.
Replacement seals	25 / pk	1.825.025
Replacement seals	100 / pk	1.825.100



Smartie caps colour coding at will

All Acura® manual pipettes have colour-coded button caps for individual, lab or department identifications. Pick among 14 colours or choose the smartie mix for other colour combinations.

Colour	Cat. No.	Colour	Cat. No.
Alternative colour selection (6 / pk)			
○ White	1.825.710	○ Rose	1.825.719
○ Grey	1.825.715	○ Pink	1.825.720
○ Vanilla	1.825.716	○ Purple	1.825.721
○ Lemon	1.825.712	○ Ice blue	1.825.722
○ Yellow	1.825.717	○ Blue	1.825.713
○ Orange	1.825.718	○ Mint	1.825.723
○ Red	1.825.714	○ Green	1.825.711
Smartie mix, assorted colours (14 / pk)		1.825.700	



Manual micropipettes

The Acura® manual 825

There is a choice between 825 model, the classic one for all applications and 826XS micropipette specially dedicated to research. Both lines bring much more than superior performance and make pipetting safe and comfortable. Three-year warranty.

- Smart and reliable volume adjustment
- Single-handed volume setting
- Precision digital display visible at all time
- Justip™ adjustable tip ejector fitting most tips
- Swift-set user calibration system
- Shock, UV light and autoclaving resistance



825
micro

- 0.1 - 2 µL
- 0.5 - 10 µL
- 1 - 10 µL
- 2 - 20 µL
- 5 - 50 µL
- 10 - 100 µL
- 20 - 200 µL
- 100 - 1000 µL

Pipette part materials

Parts potentially in contact with vapours are made of selected materials providing excellent chemical resistance.

Parts	Materials
Tip ejector	PVDF
Barrel	PVDF
Plunger micro, up to 100 µL	Stainless steel
Plunger micro 200 - 1000 µL	PVDF
Plunger macro	Stainless steel/PVDF
Plunger multi up to 50 µL	Stainless steel
Plunger multi 100 to 350 µL	PPS
Tightness ring micro up to 20 µL	PTFE sleeve
Tightness ring micro 50 - 1000 µL	FPM with PTFE sleeve
Tightness ring macro	FPM (x-ring)
Tightness ring multi up to 20 µL	PTFE sleeve
Tightness ring multi 50 to 350 µL	FPM

Performance and tip style / Weights and ordering information Acura® manual 825 and 826XS

Volume	Division	Inaccuracy (E%)			Imprecision (CV%)		
		Min. vol.	Mid. vol.	Max. vol.	Min. vol.	Mid. vol.	Max. vol.
0.1 - 2 µL	0.002 µL	<± 6.0 % ¹	<± 4.0 %	<± 2.0 %	< 5.0 % ¹	< 3.3 %	< 1.5 %
0.5 - 10 µL	0.01 µL	<± 2.5 % ²	<± 1.8 %	<± 1.0 %	< 1.8 % ²	< 1.2 %	< 0.5 %
1 - 10 µL	0.01 µL	<± 2.5 %	<± 1.8 %	<± 1.0 %	< 2.5 %	< 1.6 %	< 0.7 %
2 - 20 µL	0.02 µL	<± 2.5 %	<± 1.8 %	<± 1.0 %	< 1.7 %	< 1.0 %	< 0.5 %
5 - 50 µL	0.1 µL	<± 1.5 %	<± 1.3 %	<± 1.0 %	< 1.0 %	< 0.7 %	< 0.4 %
10 - 100 µL	0.1 µL	<± 1.5 %	<± 1.2 %	<± 0.8 %	< 1.0 %	< 0.6 %	< 0.2 %
20 - 200 µL	0.2 µL	<± 1.5 %	<± 1.1 %	<± 0.6 %	< 0.6 %	< 0.4 %	< 0.2 %
100 - 1000 µL	1 µL	<± 1.5 %	<± 1.0 %	<± 0.5 %	< 0.5 %	< 0.4 %	< 0.2 %

Performance values obtained with bidest. water at constant temperature (± 0.5°C) comprised between 20 and 25°C in accordance with ISO 8655.
¹ measured at 0.5 µL ² measured at 1 µL

Manual micropipettes

Extra sharp XS

The Acura® manual 826XS

Derived from the Acura® manual 825, the 826XS line was designed with the research scientists in mind. Shorter, smoother, lighter in weight, the eight models offer key features aiming at excellence in pipetting. Three-year warranty.

- Excellent ergonomic shape and size ratio
- Springs and tightness seal for extra-smooth activation
- Reduced weight - lighter than leading brands
- Increased driveability with short, narrow shaft
- Conical shaft end for easy reach in smaller microtubes



826XS

extra sharp

- 0.1 - 2 µL
- 0.5 - 10 µL
- 1 - 10 µL
- 2 - 20 µL
- 5 - 50 µL
- 10 - 100 µL
- 20 - 200 µL
- 100 - 1000 µL

Pipetting		Overshoot	
Start	End	Start	End
≤16 N*	≤ 2.8 N*	≤ 9.3 N*	≤ 11.5 N*

Extra smooth activation

Unique tightness lip seal and new springs provide for ultra-soft pipetting, reducing hand fatigue while working. Above forces, measured on a 20 - 200 µL model, are indicative of very limited finger efforts. Yet, the overshoot stop offers a clear tactile indicator.

* 1 Newton (N) ~ 0.1 kilogramme force (kgf)

Short shaft enhances precision of hand movement and guarantees superior driveability. A great help in fine applications such as pipetting in microtubes or microplates.

Tip style	Weight		Cat. No.		Volume
	825	826XS	825	826XS	
Ultra 10 µL	88 gr	84 gr	825.0002	826.0002	0.1 - 2 µL
Ultra 10 µL	88 gr	84 gr	825.0010	826.0010	0.5 - 10 µL
200 µL	88 gr	85 gr	825.0010Y	826.0010Y	1 - 10 µL
200 µL	88 gr	85 gr	825.0020	826.0020	2 - 20 µL
200 µL	90 gr	86 gr	825.0050	826.0050	5 - 50 µL
200 µL	92 gr	87 gr	825.0100	826.0100	10 - 100 µL
200 µL	90 gr	86 gr	825.0200	826.0200	20 - 200 µL
1000 µL	95 gr	88 gr	825.1000	826.1000	100 - 1000 µL