

Performance and ordering information - Instruments

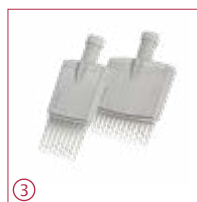
Initial package includes pipette, charging stand and accessories. Additional pipettes (alone) supplied with individual QC certificate, Qualitix® pipette tips samples and operating instructions.

Volume	Division	Inaccuracy (E%)			Imprecision (CV%)			Tip style	Cat. No. Initial package*	Cat. No. Pipette alone
		Min. vol.	Mid. vol.	Max. vol.	Min. vol.	Mid. vol.	Max. vol.			
Micropipettes Acura® electro 926XS										
0.1 - 2 µL	0.01 µL	<± 2.5 % ¹⁾	<± 1.2 %	<± 0.9 %	< 2.5 % ¹⁾	< 1.5 %	< 0.8 %	Ultra 10 µL	926.0002E	926.0002
0.5 - 10 µL	0.05 µL	<± 1.2 % ²⁾	<± 0.8 %	<± 0.6 %	< 1.5 % ²⁾	< 0.7 %	< 0.35 %	Ultra 10 µL	926.0010E	926.0010
0.5 - 10 µL	0.05 µL	<± 1.2 % ²⁾	<± 0.8 %	<± 0.6 %	< 1.7 % ²⁾	< 0.8 %	< 0.4 %	200 µL	926.0010YE	926.0010Y
1 - 20 µL	0.1 µL	<± 1.2 % ²⁾	<± 0.6 %	<± 0.5 %	< 1.2 % ²⁾	< 0.4 %	< 0.3 %	200 µL	926.0020E	926.0020
2.5 - 50 µL	0.25 µL	<± 1.0 % ²⁾	<± 0.6 %	<± 0.5 %	< 0.7 % ²⁾	< 0.3 %	< 0.25 %	200 µL	926.0050E	926.0050
5 - 100 µL	0.5 µL	<± 1.0 % ²⁾	<± 0.6 %	<± 0.5 %	< 0.7 % ²⁾	< 0.3 %	< 0.2 %	200 µL	926.0100E	926.0100
10 - 200 µL	1.0 µL	<± 1.0 % ²⁾	<± 0.6 %	<± 0.4 %	< 0.6 % ²⁾	< 0.2 %	< 0.15 %	200 µL	926.0200E	926.0200
50 - 1000 µL	5.0 µL	<± 0.8 % ²⁾	<± 0.5 %	<± 0.4 %	< 0.4 % ²⁾	< 0.15 %	< 0.1 %	1000 µL	926.1000E	926.1000
Macropipettes Acura® electro 936										
0.1 - 2 mL	0.01 mL	<± 1.5 % ²⁾	<± 1.0 %	<± 0.5 %	< 0.6 % ²⁾	< 0.3 %	< 0.15 %	2 mL	936.02E	936.02
0.25 - 5 mL	0.05 mL	<± 1.2 % ²⁾	<± 0.8 %	<± 0.5 %	< 0.6 % ²⁾	< 0.3 %	< 0.15 %	5 mL	936.05E	936.05
0.5 - 10 mL	0.05 mL	<± 1.0 % ²⁾	<± 0.7 %	<± 0.5 %	< 0.5 % ²⁾	< 0.2 %	< 0.15 %	10 mL	936.10E	936.10
8-channel pipettes Acura® electro 956										
0.5 - 10 µL	0.05 µL	<± 3.5 % ²⁾	<± 1.5 %	<± 1.0 %	< 3.0 % ²⁾	< 0.9 %	< 0.7 %	Ultra 10 µL	956.08.010E	956.08.010
2.5 - 50 µL	0.25 µL	<± 1.0 % ²⁾	<± 0.9 %	<± 0.8 %	< 1.0 % ²⁾	< 0.6 %	< 0.4 %	200 µL	956.08.050E	956.08.050
10 - 200 µL	1.0 µL	<± 0.9 % ²⁾	<± 0.7 %	<± 0.6 %	< 0.6 % ²⁾	< 0.4 %	< 0.25 %	200 µL	956.08.200E	956.08.200
20 - 350 µL	5.0 µL	<± 1.0 % ²⁾	<± 0.8 %	<± 0.6 %	< 0.6 % ²⁾	< 0.4 %	< 0.25 %	350 µL	956.08.350E	956.08.350
12-channel pipettes Acura® electro 956										
0.5 - 10 µL	0.05 µL	<± 3.5 % ²⁾	<± 1.5 %	<± 1.0 %	< 3.0 % ²⁾	< 0.9 %	< 0.7 %	Ultra 10 µL	956.12.010E	956.12.010
2.5 - 50 µL	0.25 µL	<± 1.0 % ²⁾	<± 0.9 %	<± 0.8 %	< 1.0 % ²⁾	< 0.6 %	< 0.4 %	200 µL	956.12.050E	956.12.050
10 - 200 µL	1.0 µL	<± 0.9 % ²⁾	<± 0.7 %	<± 0.6 %	< 0.6 % ²⁾	< 0.4 %	< 0.25 %	200 µL	956.12.200E	956.12.200
20 - 350 µL	5.0 µL	<± 1.0 % ²⁾	<± 0.8 %	<± 0.6 %	< 0.6 % ²⁾	< 0.4 %	< 0.25 %	350 µL	956.12.350E	956.12.350

Performance values obtained in forward mode with bidest. water at constant temperature (± 0.5°C) comprised between 20 and 25°C in accordance with ISO 8655. Results can be improved by individual calibration in each mode. Measured at: ¹⁾ 0.5 µL, ²⁾ 10% of nominal volume.

* Replace E by country code if other plug type than Europe style needed: G = UK, U = USA-Japan, A = Australia-NZ

Ordering information - Volumetric modules and accessories



Volume range	Tip style	Cat. No.
Single channel microvolumetric (1)		
Reduced shaft length		
0.1 - 2 µL	Ultra 10 µL	800.0002XS
0.5 - 10 µL	Ultra 10 µL	800.0010XS
0.5 - 10 µL	200 µL	800.0010YS
1 - 20 µL	200 µL	800.0020XS
2.5 - 50 µL	200 µL	800.0050XS
5 - 100 µL	200 µL	800.0100XS
10 - 200 µL	200 µL	800.0200XS
50 - 1000 µL	1000 µL	800.1000XS
Regular shaft length (1)		
0.1 - 2 µL	Ultra 10 µL	800.0002
0.5 - 10 µL	Ultra 10 µL	800.0010
0.5 - 10 µL	200 µL	800.0010Y
1 - 20 µL	200 µL	800.0020
2.5 - 50 µL	200 µL	800.0050
5 - 100 µL	200 µL	800.0100
10 - 200 µL	200 µL	800.0200
50 - 1000 µL	1000 µL	800.1000

Volume range	Tip style	Cat. No.
Single channel macrovolumetric (2)		
0.1 - 2 mL	2 mL	800.2000
0.25 - 5 mL	5 mL	800.5000
0.5 - 10 mL	10 mL	800.10000
8-channel microvolumetric (3)		
0.5 - 10 µL	Ultra 10 µL	800.08.010
2.5 - 50 µL	200 µL	800.08.050
10 - 200 µL	200 µL	800.08.200
20 - 350 µL	350 µL	800.08.350
12-channel microvolumetric (3)		
0.5 - 10 µL	Ultra 10 µL	800.12.010
2.5 - 50 µL	200 µL	800.12.050
10 - 200 µL	200 µL	800.12.200
20 - 350 µL	350 µL	800.12.350

Description	Pack	Cat. No.
Charging units, 3 positions		
Stand for pipettes or battery packs (4)	1 / pk	320.903.48
Stand for power handles only (5)	1 / pk	320.913.48
Spare battery, blue colour		
NiMH, 4.8V	1 / pk	900.920.48
NiMH, 4.8V	2 / pk	900.922.48
Power supply, 100-240V		
Europe style plug	1 / pk	900.901.48E
UK style plug	1 / pk	900.901.48G
USA-Japan style plug	1 / pk	900.901.48U
Australia - NZ style plug	1 / pk	900.901.48A
Nozzle protection filters		
For 2 and 5 mL models	250 / pk	322.05
For 10 mL model	100 / pk	322.10
Adapter-nozzle - Pasteur pipette		
For 2 mL model	1 / pk	1.835.631
For 5 mL model	1 / pk	1.835.633

See Qualitix® pages 35-40

digital setting micro-, macro- and multichannel pipettes

The combination of instant volume adjustment, mechanical precision and ease of use makes the Calibra® digital one of the most reliable and robust pipette line in the market. Three-year warranty.

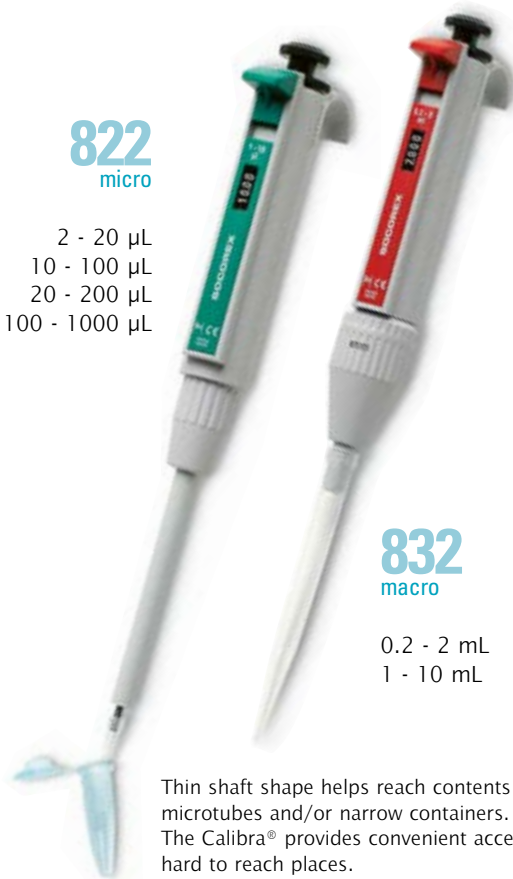
822
micro

- 2 - 20 µL
- 10 - 100 µL
- 20 - 200 µL
- 100 - 1000 µL

The Calibra® digital 822 / 832

Product advantages

- Winding-free, instant volume adjustment
- Long term performance and calibration stability
- Robust, long lasting construction
- Shock, UV light and autoclaving resistance
- Reliable user calibration
- Minimal maintenance requirements
- Interchangeable nozzle filter in all macro models
- Pasteur pipette adapter (Cat. No. 1.835.631) included with 2 mL model



832
macro

- 0.2 - 2 mL
- 1 - 10 mL



Thin shaft shape helps reach contents from microtubes and/or narrow containers. The Calibra® provides convenient access to those hard to reach places.

Instant volume setting

Twin cam system fitted with pre-calibrated steps providing true digital volume entry and numerical display. The dual incrementation allows fast volume setting without tedious winding.



Key volume adjustment ①

Example: from 10 to 50 µL in half a revolution of the setting wheel placed in its normal position.



Fine-tuning adjustment ②

Example: from 50 to 55.5 µL in half a revolution of the setting wheel in its "pulled" position.

Performance and ordering information

Volume	Division	Inaccuracy (E%)			Imprecision (CV%)			Tip style	Cat. No.
		Min. vol.	Mid. vol.	Max. vol.	Min. vol.	Mid. vol.	Max. vol.		
Calibra® digital 822									
2 - 20 µL	0.1 µL	<± 2.5 %	<± 1.5 %	<± 1.0 %	< 1.7 %	< 1.0 %	< 0.5 %	200 µL	822.0020
20 - 200 µL	1.0 µL	<± 1.5 %	<± 0.9 %	<± 0.6 %	< 0.6 %	< 0.4 %	< 0.2 %	200 µL	822.0200
100 - 1000 µL	5.0 µL	<± 1.5 %	<± 0.6 %	<± 0.5 %	< 0.5 %	< 0.4 %	< 0.2 %	1000 µL	822.1000
Calibra® digital 832									
0.2 - 2 mL	0.01 mL	<± 1.5 %	<± 1.0 %	<± 0.5 %	< 0.5 %	< 0.3 %	< 0.2 %	2 mL	832.02
1 - 10 mL	0.1 mL	<± 1.5 %	<± 1.0 %	<± 0.5 %	< 0.3 %	< 0.3 %	< 0.15 %	10 mL	832.10

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

Qualitix® pasteurs, straws and filters



Glass Pasteur pipette ①②

Standard Pasteur models fitting 2 and 5 mL Acura® *manual / electro* and Calibra® macropipettes with their respective adapters. Useful alternative to macrotips, for instance when handling PP affecting reagents. Model and size selection fit most lab requirements.

Pasteur pipette adapters ③

Dedicated PVDF adapters with two internal O-rings tightly fitting glass Pasteur pipette (ext Ø 6.5 - 7.2 mm), without excluding the use of regular PP tips.

Ordering information - Pasteur pipettes

Material	Volume	Dimensions (l x Ø mm)	Packaging	Cat. No.
Glass	2 mL	150 x 7	250 / pk	313.02.150
Glass	2 mL	230 x 7	250 / pk	313.02.230
Glass with cotton plug	2 mL	150 x 7	250 / pk	313.02.150C
Glass with cotton plug	2 mL	230 x 7	250 / pk	313.02.230C

Ordering information - Pasteur adapters

Fits macropipette	Packaging	Cat. No.
Acura® <i>manual</i> 835, 2 mL Acura® <i>electro</i> 936, 2 mL Calibra® <i>digital</i> 832, 2 mL	1 / pk	1.835.631
Acura® <i>manual</i> 835, 5 mL Acura® <i>electro</i> 936, 5 mL	1 / pk	1.835.633



Straw tips ④

Fitting the Acura® *dilute* 810 pipette. The long and thin straw tips allow pick-up of particle containing liquids in Stomacher® bags and deep, narrow reservoirs. Supplied sterilized in re-sealable bag.

Nozzle filters for pipettes ⑤⑥

Protection against liquid overflow or aerosol contamination. Filters are interchangeable, non-sterile, non autoclavable.

Ordering information - Straw tips and nozzle filters

Description	Fits	Material	Size (l x Ø mm)	Packaging	Cat. No.
Straw tips, 1.1 mL	Acura® <i>dilute</i> 810	PP, sterilized	190 x 4	40x 25 / pk	313.1119.40
Nozzle filter	Acura® <i>dilute</i> 810	PE	6.3 x 2.5	100 / pk	322.810
Nozzle filter	Calibra® <i>digital</i> 832, 2 mL	Cellulose	22 x 7	250 / bag	322.02
Nozzle filter	Acura® <i>manual</i> 835, 2 and 5 mL Acura® <i>electro</i> 936, 2 and 5 mL	PP fiber	20 x 7.5	250 / bag	322.05
Nozzle filter	Calibra® <i>digital</i> 832, 10 mL Acura® <i>manual</i> 835, 10 mL Acura® <i>electro</i> 936, 10 mL	PP fiber	30 x 10.5	100/ bag	322.10