SOCOREX
SWISS

Edition 2020

precision liquid volumetry

your quality partner worldwide













Welcome to Socorex – a world of expertise in prec

Dear Partners
in laboratory sciences,

Welcome to the updated edition of the Socorex laboratory catalogue, drafted alongside with our new web site, to be released soon. Our programme includes a wide selection of liquid dosing instruments, accessories and consumables.

Designed with the user and their applications in mind, our products offer a lot more than their reputable metrological high performance, material stability and durability. They also integrate a number of unsurpassed, innovative and unique specifications, such as found in the extended Calibrex™ bottle-top dispensers line, proving successful in a large variety of procedures. Recently launched, the Qualitix® pipette tips line including its *tipfill racking system* and associated one-way items such as reservoirs, has rapidly gained approval among demanding laboratories.

Further progress has been made within our international distributor network, offering outstanding products and technical support, at a time when third party calibration has gained in importance.

I seize this opportunity to express my thanks and gratefulness to the wide scientific community trusting the Socorex's team and partners.

Wishing all much success.



Sincerely



Sylvain Christen, CEO

Brief history

Socorex Isba SA, often referred to as just Socorex per its original name, was first founded in the late 1940s. Two young watchmakers had identified the need for new types of quality syringes for medical applications. The products rapidly met international success.

In search of synergies, the company subsequently merged with another firm, moved to the city of Lausanne on Lake Geneva, changed name to become Socorex Isba SA and finally, under a new family ownership, built up-to-date premises in Ecublens – we are in 1963.

More than fifty years later, still with the same shareholders, Socorex has grown its two distinct laboratory and animal health divisions, reflecting a long time strategic reconversion. Enlarged, the modern production site will support the company's capacity to handle many more success stories in the future.

Products & services

Today's manufacturing programme includes a wide variety of high precision instruments used for reliably measuring, dosing, transferring, dispensing and injecting liquids in a large number of applications.

Manual and electronic micropipettes, single and multichannel pipettors, repeater pipettes, dispensers, pipette controllers and re-usable syringes, together with their accessories, constitute the heart of the programme.

Each precision instrument bears its own serial number and passes a strict performance control attested by an individual QC certificate.

The Socorex Service Center offers a global repair and calibration programme. The choices range from basic maintenance to accredited calibrations of all micropipettes and dispensers according to ISO 17025 – whatever their brand.



ision liquid handling



Our customers

We are proud to include virtually all private, industrial, academic and government laboratories as our customers.

Those are involved in routine research and educational activities in fields as diverse as life sciences – such as biotechnology and molecular biology – medicine, chemistry, pharmacology, environment, agriculture, etc.

Scientists are served efficiently by the dedicated network of Socorex distributors. Selected amongst the best suppliers, they carry an inventory of our products and provide technical support, repair and calibration services.

Find your closest Socorex partners listed on www.socorex.com

Quality achievements

Socorex's dedication to precision and quality has been an all-time tradition. Our commitment to manufacturing the most reliable instruments and offering the best services was formalised with the completion of the ISO 9001 and ISO 13485 Quality Management System certifications.

Product lines used in the In Vitro Diagnostics fields conform to the IVD 98/79 EEC directive for medical devices and are CE certified accordingly.

Instruments are designed to operate under national and international standards such as ISO 8655, GLP, GMP and NCCLS.

Warranty coverage is three years on all manual pipettors, two years on electronic pipettes, dispensers and repeaters.

Product range

Electronic micropipettes
Acura® *electro* 1

Digital reading micropipettes
Acura® *manual* and Acura® *manual XS* 5

Digital setting micropipettes
Calibra® *digital* 11

Dilution pipette
Acura® *dilute* 13

Positive displacement pipettes
Acura® *capillar* 14

Work stations 15

Repeater pipette
Stepper™ / Ecostep™ 17

Pipette controllers
Profiller™ / Profillette™ 19

Microdispenser pipettes
Acura® *self-refill* 21

Low profile dispensers
Acurex™ *compact* 22

Bottle-top dispensers
Calibrex™ 23

Laboratory syringes
Dosys™ 29

All-glass syringes
Dosys™ *all-glass* 33

Sterilization pouches
Qualitix® 34

Pipette tips / consumables
Qualitix® 35

Reagent reservoirs
Qualitix® 41

Service center 43

Acura® *electro*

electronic micropipettes

Latest up-grade of a successful line making electronic pipetting simpler and safer than ever. The microprocessor-controlled instrument includes intuitive software avoiding any complicated programming steps. No particular skills are required to get quick access to six working modes and many volumes to select from. Two-year warranty.



The Acura® *electro* models 926*XS* micro, 936 macro, 956 multi

Product advantages

- Optimal ergonomics, light weight
- Easy, intuitive self-teaching programme
- Large display, reversible for right or left reading
- Swift-interchange battery pack
- Fast charge, long working autonomy
- Justip™ adjustable tip ejector* fitting most tips
- Pipetting cycle counter
- 27 interchangeable volumetric modules all fitting same control unit

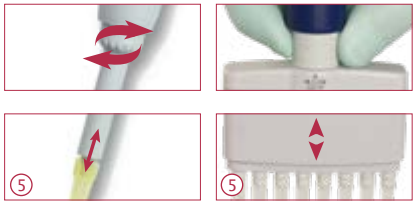
* Socorex patented











Natural ergonomics ①

The Acura® *electro* offers shape, balance and working ergonomics resembling those of a manual instrument. But comfort is so greatly improved that pipetting and result consistency are just outstanding.

Unique "right or left" display reading ②

Display converts instantly to right or left side reading. All information clearly presented and visible at a glance during programming, pipetting and calibration steps.

Variable working speed ③

Located on the front side, speed selector allows swift change even during the pipetting process.
In addition, slow speed access at any time by gentle touch of start button.

Pipetting cycle counter ④

A simple double click gives access to the number of pipetting cycles performed since last zeroing.

Tip ejection - easier than ever ⑤

Maximal efficiency obtained with a large surface, ergonomically located ejector button. The shaft height adjustment system called Justip™ (4 mm span) - controlled by efficient click-stops - allows a wide selection of tips to tightly fit the nozzle.

The multichannel bowed shape ejector head permits effortless, sequential tip ejection.

Great built-in working flexibility
Surf through mode selection by pressing a single button.

Forward mode
Aspiration and pipetting of set volume. Suitable for all applications.

Reverse mode
Aspiration in excess, followed by dosing of set volume. Enhances reproducibility below 20 µL. Especially recommended for viscous and foaming liquids.

Stepper mode
Tip filling and step-by-step distribution. Best suited to aliquot samples.

Dilution mode
Aspiration of 2 or 3 different volumes for restitution in one shot. An easy way to dilute samples.

Tactile mode
"Start and stop" liquid measurement and dispensing, used amongst others for titration and gel loading by simple touch of activation button.

Mixing
"Up and down" liquid flow in the tip / vial.



①

Pipette charging stand ①
Stand allows charging and storing up to three electronic pipettes or battery packs simultaneously. Each position is fitted with a red/green charging LED. One stand supplied with every initial package.

Battery charging rack ②
Space saving stand holds up to three battery packs simultaneously. The ideal charging and storage accessory for spare batteries, available at any time.


②


③

Interchangeable volumetric modules ③
One control unit fits a choice of 27 volumetric assemblies available separately. This greatly extends working possibilities and makes electronic pipetting affordable to all budgets. Disassembling and re-assembling without any tool contributes towards maximal flexibility. Calibration specificities of extra modules - as set by factory QC or by pipette owner - are retained in instrument memory.



④

Calibration ④
Control software gives immediate access to calibration menu. Performance check possible over two or three independent volumes (Vmin, Vmid and Vmax). New settings entered directly from the keyboard.
Error message warns of any inaccurate plunger movement.


⑤

Long working autonomy ⑤
NiMH battery pack exchangeable instantly. Fast battery charging (< 1.5 hours) and extended working autonomy (> 3000 consecutive pipetting cycles). Battery charge level clearly visible on display. Automatic energy saving stand-by when unused.

ENERGY STAR® qualified power supply for a better environment

FREE OF HAZARDOUS SUBSTANCES

electronic micro-, macro- and multichannel pipettes

926 XS micro

0.1 - 2 µL
0.5 - 10 µL
1 - 20 µL
2.5 - 50 µL
5 - 100 µL
10 - 200 µL
50 - 1000 µL



936 macro

0.1 - 2 mL
0.25 - 5 mL
0.5 - 10 mL

956 multi

0.5 - 10 µL
2.5 - 50 µL
10 - 200 µL
20 - 350 µL

The Acura® *electro* product advantages

Micropipettes

- Reduced shaft length and conical end improve driveability
- Easy access to microtubes and microplates
- Optional longer volumetric modules
- Simple conversion by user at any time
- Unsurpassed metrological performance and stability

Macropipettes

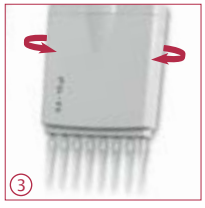
- Interchangeable nozzle protection filter
- Adapters for Pasteur pipette
- Outstanding accuracy and precision

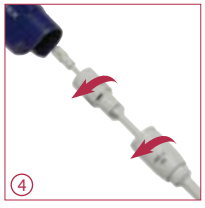
Multichannel

- Large selection of 8- and 12-channel models
- Light weight and perfect hand fitting
- Sequential tip ejection
- Also fit any single channel volumetric module











Nozzle protection filter ①

Macro models accommodate a filter protecting instrument against liquid overflow and contamination. Located in the nozzle, it can be removed and changed easily.

Pasteur pipette adapter ②

Optional accessory fits 2 mL glass Pasteur pipettes instead of polypropylene tips.

Optimal working position ③

360° rotation of multichannel volumetric modules allows selection of the best working position.

Time efficient maintenance ④

Pipette construction limits maintenance to a minimum - no tool required to remove volumetric module. The pipetting cycle counter facilitates maintenance monitoring.

Whenever sterilisation is needed, volumetric modules can be autoclaved at 121°C / 250°F.

AUTOCLAVE AT 121°C

Initial package ⑤

Recommended when purchasing an Acura® *electro* for the first time, each initial package contains one electronic pipette, QC certificate and operating instructions, charging stand, power supply, additional battery pack, Qualitix® pipette tips samples. Thereafter, additional pipettes can be purchased alone and charged on existing stand.

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	0.25µL	<± 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


①


②


③


④


⑤

Volume range	Tip style	Cat. No.
Single channel microvolumes 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	800.0010YXS
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 macrovolumes 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 microvolumes 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 microvolumes 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

See Qualitix® pages 35-40

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

digital reading micropipettes

The Acura® *manual* are precision pipettes combining high-tech materials with exceptional, user-friendly ergonomics. There is a choice between 825 model, the classic one for all applications and 826 *XS* micropipette specially dedicated to research. Both lines bring much more than superior performance and make pipetting safe and comfortable. Three-year warranty.



The Acura® *manual* 825

Product advantages

- 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

* Socorex patented

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

Most comfortable pipetting ①

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

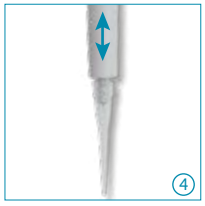




Ejector button ②

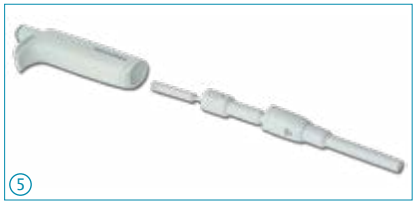
Ergonomically positioned, the large surface, soft-padded ejector provides for low-pressure activation.





Adjustable tip ejection ③ ④

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



Minimum maintenance / sterilisation ⑤

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

Performance and tip style - Acura® *manual* 825 and 826 *XS* micropipettes

Volume	Division	Inaccuracy (E%)			Imprecision (CV%)			Tip style
		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 %	Ultra 10 µL
0.5 - 10 µL	0.01 µL	<± 2.5 %[2)]	<± 1.8 %	<± 1.0 %	< 1.8 %[2)]	< 1.2 %	< 0.5 %	Ultra 10 µL
1 - 10 µL	0.01 µL	<± 2.5 %	<± 1.8 %	<± 1.0 %	< 2.5 %	< 1.6 %	< 0.7 %	200 µL
2 - 20 µL	0.02 µL	<± 2.5 %	<± 1.8 %	<± 1.0 %	< 1.7 %	< 1.0 %	< 0.5 %	200 µL
5 - 50 µL	0.1 µL	<± 1.5 %	<± 1.3 %	<± 1.0 %	< 1.0 %	< 0.7 %	< 0.4 %	200 µL
10 - 100 µL	0.1 µL	<± 1.5 %	<± 1.2 %	<± 0.8 %	< 1.0 %	< 0.6 %	< 0.2 %	200 µL
20 - 200 µL	0.2 µL	<± 1.5 %	<± 1.1 %	<± 0.6 %	< 0.6 %	< 0.4 %	< 0.2 %	200 µL
100 - 1000 µL	1 µL	<± 1.5 %	<± 1.0 %	<± 0.5 %	< 0.5 %	< 0.4 %	< 0.2 %	1000 µL

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



826 *XS*
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

Derived from the Acura® *manual* 825, the 826 *XS* 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.

3 YEAR WARRANTY
ERGONOMIC COMFORT
LIGHT WEIGHT
SWIFT-SET CALIBRATION
AUTOCLAVE AT 121°C
IVD CONFORM
CE

The Acura® *manual* 826 *XS*

Added advantages, distinct from 825 line

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



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



①


②



③

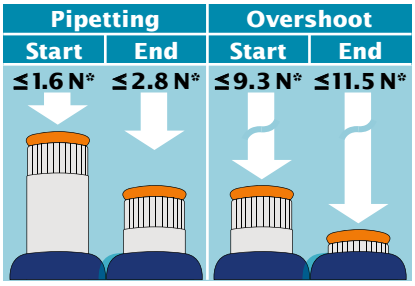
Instant calibration ① ②

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 ③

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



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)

Weights and ordering information - Acura® *manual* 825 and 826 *XS*

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

See Qualitix® pages 35-40

micropipette saver packs and *smarties*

Pipette packs offer an extended choice of volume combinations, covering all individual requirements in any research or routine application. Available at attractive saver prices, they match with today's budget constraints.



The Acura® *manual* 825 / 835 Triopack

- Three adjustable micropipettes
- Large choice of volume combinations up to 10 mL
- Nine different packs

Ordering information - Triopack

Including: sampling of Qualitix®, silicone grease, QC certificates and operating instructions

Pack	Contents (Micro-/macropipette models)			Cat. No.
C	2 µL (0.1 - 2)	10 µL (0.5 - 10)	50 µL (5 - 50)	825.TRIO.C
J	2 µL (0.1 - 2)	20 µL (2 - 20)	200 µL (20 - 200)	825.TRIO.J
M	10Y µL (1 - 10)	50 µL (5 - 50)	200 µL (20 - 200)	825.TRIO.M

Pack	Contents (Micro-/macropipette models)			Cat. No.
O	10 µL (0.5 - 10)	100 µL (10 - 100)	1000 µL (100 - 1000)	825.TRIO.O
P	10Y µL (1 - 10)	100 µL (10 - 100)	1000 µL (100 - 1000)	825.TRIO.P
S	20 µL (2 - 20)	200 µL (20 - 200)	1000 µL (100 - 1000)	825.TRIO.S

Pack	Contents (Micro-/macropipette models)			Cat. No.
T	50 µL (5 - 50)	200 µL (20 - 200)	1000 µL (100 - 1000)	825.TRIO.T
V	100 µL (10 - 100)	1000 µL (100 - 1000)	5 mL (0.5 - 5)	825.TRIO.V
Y	1000 µL (100 - 1000)	5 mL (0.5 - 5)	10 mL (1 - 10)	835.TRIO.Y

The Acura® *manual* 826 TwiXS pack

- Two adjustable volume pipettes
- Free shelf pipette holder (see page 15)
- Volume combinations up to 1000 µL
- Six different packs



Ordering information - TwiXS pack

Including: shelf pipette holder, sampling of Qualitix®, silicone grease, QC certificates and operating instructions

Pack	Contents (Micropipettes)		Cat. No.
E	2 µL (0.1 - 2)	20 µL (2 - 20)	826.TWX.E
G	10 µL (0.5 - 10)	100 µL (10 - 100)	826.TWX.G
H	20 µL (2 - 20)	200 µL (20 - 200)	826.TWX.H
K	50 µL (5 - 50)	200 µL (20 - 200)	826.TWX.K
N	100 µL (10 - 100)	1000 µL (100 - 1000)	826.TWX.N
Q	200 µL (20 - 200)	1000 µL (100 - 1000)	826.TWX.Q

Smartie caps
Colour coding at will

All Acura® 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	825.710	Rose	825.719
Grey	825.715	Pink	825.720
Vanilla	825.716	Purple	825.721
Lemon	825.712	Ice blue	825.722
Yellow	825.717	Blue	825.713
Orange	825.718	Mint	825.723
Red	825.714	Green	825.711
Smartie mix, assorted colours (14 / pk)		1.825.700	



digital reading macropipettes

Instruments combining high-tech materials with user-friendly ergonomics. Optimal for in- and outdoor environmental analysis, clinical chemistry and cell culture applications, they offer superior performance and make pipetting safer than ever. Three-year warranty.



835
macro

0.2 - 2 mL
0.5 - 5 mL
1 - 10 mL

The Acura® *manual* 835

Product advantages

- Smart and reliable volume adjustment
- Single-handed volume setting
- Interchangeable nozzle protection filter
- Justip™ adjustable tip ejector* fitting most tips
- *Swift-set* user calibration system*
- Shock, UV light and autoclaving resistance
- Pasteur pipette fitting 2 and 5 mL models

* Socorex patented

Display always visible ①
Located on the front of the instrument, the display window allows set volume to be visible at all times during pipetting. A comforting reassurance for the user.

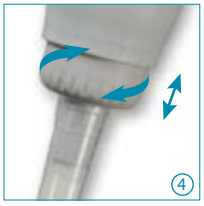
Nozzle protection filter ⑥
Protection against liquid overflow and contamination.





Smart and reliable volume adjustment ②
State-of-the-art micrometric volume setting is performed smoothly and precisely by turning push button. Finely machined click-stops and free rotating cap prevent any unwanted volume alteration.





Adjustable tip ejection system ③ ④
Ergonomically positioned, the large surface, soft-padded ejector provides for low-pressure activation. In addition, the shaft height adjustment system called Justip™ allows optimal distance setting between ejector and tip.





Pasteur pipette adapter ⑤
Adapter nozzles allow fitting of Pasteur pipette on Acura® *manual* 2 and 5 mL models in addition to polypropylene tips. The adapters have two O-rings guaranteeing proper holding and tightness of standard 2 mL Pasteur pipettes (Ø 7 mm).

See consumables page 42

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.		
0.2 - 2 mL	0.002 mL	<± 1.5 %	<± 1.0 %	<± 0.5 %	< 0.5 %	< 0.3 %	< 0.2 %	2 mL	835.02
								2 mL + Pasteur	835.02PP [1]
0.5 - 5 mL	0.01 mL	<± 1.5 %	<± 1.1 %	<± 0.6 %	< 0.6 %	< 0.5 %	< 0.3 %	5 mL	835.05
								5 mL + Pasteur	835.05PP [1]
1 - 10 mL	0.01 mL	<± 1.5 %	<± 0.7 %	<± 0.5 %	< 0.5 %	< 0.3 %	< 0.2 %	10 mL	835.10

Performance values obtained with bidest. water at constant temperature (± 0.5°C) comprised between 20 and 25°C in accordance with ISO 8655.
[1] Model includes Pasteur adapter nozzle.

fixed volume pipettes

Fixed volume micro- and macropipettes show the most stable performance. They provide consistent results for any analytical or routine diagnostic tests by eliminating the risk of erroneous volume setting. Three-year warranty.



The Acura® *manual* 815 / 835F

Product advantages

- Slim ergonomic design and light weight
- Soft plunger activation
- Justip™ adjustable tip ejector* fitting most tips
- User calibration with integrated key
- Colour coded *smartie* cap
- Selection includes macropipette volumes

* Socorex patented

815 / 835F
fixed

1 µL - 10 mL



Tip ejection - easier than ever ① ② ③

Most ergonomically positioned, the large surface, soft-padded ejector button provides for low-pressure activation. In addition to ease of tip ejection, the shaft height adjustment system called Justip™ – controlled by efficient click-stops – allows a wide selection of tips to tightly fit the nozzle.

Performance and ordering information

Volume	Inaccuracy (E%)	Imprecision (CV%)	Tip style	Cat. No.
Acura® *manual* 815				
1 µL	<± 2.0 %	< 1.0 %	Ultra 10 µL	815.0001
5 µL	<± 1.4 %	< 1.0 %	Ultra 10 µL	815.0005
10 µL	<± 0.7 %	< 0.7 %	Ultra 10 µL	815.0010
10Y µL	<± 0.7 %	< 0.8 %	200 µL	815.0010Y
15 µL	<± 0.7 %	< 0.5 %	200 µL	815.0015
20 µL	<± 0.7 %	< 0.5 %	200 µL	815.0020
25 µL	<± 0.7 %	< 0.6 %	200 µL	815.0025
30 µL	<± 0.7 %	< 0.6 %	200 µL	815.0030
32 µL	<± 0.7 %	< 0.6 %	200 µL	815.0032
40 µL	<± 0.7 %	< 0.5 %	200 µL	815.0040
50 µL	<± 0.7 %	< 0.4 %	200 µL	815.0050
60 µL	<± 0.7 %	< 0.5 %	200 µL	815.0060
70 µL	<± 0.7 %	< 0.4 %	200 µL	815.0070
75 µL	<± 0.7 %	< 0.4 %	200 µL	815.0075
80 µL	<± 0.7 %	< 0.35 %	200 µL	815.0080
90 µL	<± 0.7 %	< 0.3 %	200 µL	815.0090
100 µL	<± 0.7 %	< 0.3 %	200 µL	815.0100
120 µL	<± 0.7 %	< 0.4 %	200 µL	815.0120

Volume	Inaccuracy (E%)	Imprecision (CV%)	Tip style	Cat. No.
Acura® *manual* 815 (continued)				
150 µL	<± 0.7 %	< 0.3 %	200 µL	815.0150
200 µL	<± 0.7 %	< 0.3 %	200 µL	815.0200
250 µL	<± 0.7 %	< 0.4 %	1000 µL	815.0250
300 µL	<± 0.7 %	< 0.4 %	1000 µL	815.0300
400 µL	<± 0.7 %	< 0.3 %	1000 µL	815.0400
500 µL	<± 0.7 %	< 0.3 %	1000 µL	815.0500
600 µL	<± 0.7 %	< 0.3 %	1000 µL	815.0600
700 µL	<± 0.7 %	< 0.2 %	1000 µL	815.0700
750 µL	<± 0.7 %	< 0.2 %	1000 µL	815.0750
800 µL	<± 0.7 %	< 0.2 %	1000 µL	815.0800
900 µL	<± 0.7 %	< 0.2 %	1000 µL	815.0900
1000 µL	<± 0.6 %	< 0.2 %	1000 µL	815.1000
Acura® *manual* 835F				
2 mL	<± 0.5 %	< 0.2 %	2 mL	835.F02
2.5 mL	<± 0.8 %	< 0.5 %	5 mL	835.F02.5
5 mL	<± 0.6 %	< 0.3 %	5 mL	835.F05
10 mL	<± 0.5 %	< 0.2 %	10 mL	835.F10

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

See Qualitix® pages 35-40

fixed pipettes and adjustable multichannel micropipettes

Built with the users in mind, these pipettes combine high-tech materials with exceptional, user-friendly ergonomics. They extend pipetting possibilities in 96-well microplates and guarantee outstanding performance and results. Three-year warranty.



855
multi

0.5 - 10 µL
5 - 50 µL
10 - 100 µL
20 - 200 µL
40 - 350 µL

The Acura® *manual* 855

Product advantages

- 8- and 12-channel models up to 350 µL
- Lightweight and perfect hand fitting
- Precision digital display visible at all time
- Justip™ adjustable tip ejector* fitting most tips
- *Swift-set* user calibration system*
- 360° rotation of volumetric module

* Socorex patented

Most comfortable pipetting

Ergonomic shape, lightweight and ultra-soft plunger travel are key elements of the Acura® *manual* pipettes.

855 models	Weight
8x 0.5 - 10 µL	155 gr
8x 50/100/200 µL	165 gr
8x 40 - 350 µL	168 gr
12x 0.5 - 10 µL	184 gr
12x 5 - 50 µL	199 gr
12x 20 - 200 µL	201 gr
12x 40 - 350 µL	203 gr



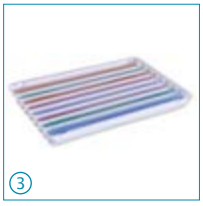
Optimal working position ①

Revolving over 360°, the volumetric module (lower assembly) helps reaching the appropriate hand position.



Adjustable tip ejector ②

Position of tip ejector can be adjusted in no time within a 4 mm span to perfectly match with tips used. Bowed shape of ejector head guarantees effortless, easy sequential tip removal.





Multichannel reservoirs ③④

Well adapted for multichannel pipettes, the reagent reservoirs offer various shapes and volumes.

See reservoirs page 41

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.		
8-channel									
0.5 - 10 µL	0.01 µL	<± 3.5 % [1]	<± 2.5 %	<± 1.5 %	< 3.0 % [1]	< 2.0 %	< 1.0 %	Ultra 10 µL	855.08.010
5 - 50 µL	0.1 µL	<± 1.0 %	<± 0.9 %	<± 0.8 %	< 1.0 %	< 0.7 %	< 0.4 %	200 µL	855.08.050
10 - 100 µL	0.1 µL	<± 1.0 %	<± 0.9 %	<± 0.8 %	< 0.9 %	< 0.6 %	< 0.4 %	200 µL	855.08.100
20 - 200 µL	0.2 µL	<± 0.9 %	<± 0.8 %	<± 0.7 %	< 0.6 %	< 0.5 %	< 0.3 %	200 µL	855.08.200
40 - 350 µL	0.4 µL	<± 1.0 %	<± 0.9 %	<± 0.8 %	< 0.6 %	< 0.5 %	< 0.3 %	350 µL	855.08.350
12-channel									
0.5 - 10 µL	0.01 µL	<± 3.5 % [1]	<± 2.5 %	<± 1.5 %	< 3.0 % [1]	< 2.0 %	< 1.0 %	Ultra 10 µL	855.12.010
5 - 50 µL	0.1 µL	<± 1.0 %	<± 0.9 %	<± 0.8 %	< 1.0 %	< 0.7 %	< 0.4 %	200 µL	855.12.050
20 - 200 µL	0.2 µL	<± 0.9 %	<± 0.8 %	<± 0.7 %	< 0.6 %	< 0.5 %	< 0.3 %	200 µL	855.12.200
40 - 350 µL	0.4 µL	<± 1.0 %	<± 0.9 %	<± 0.8 %	< 0.6 %	< 0.5 %	< 0.3 %	350 µL	855.12.350

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 1 µL

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

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.

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

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

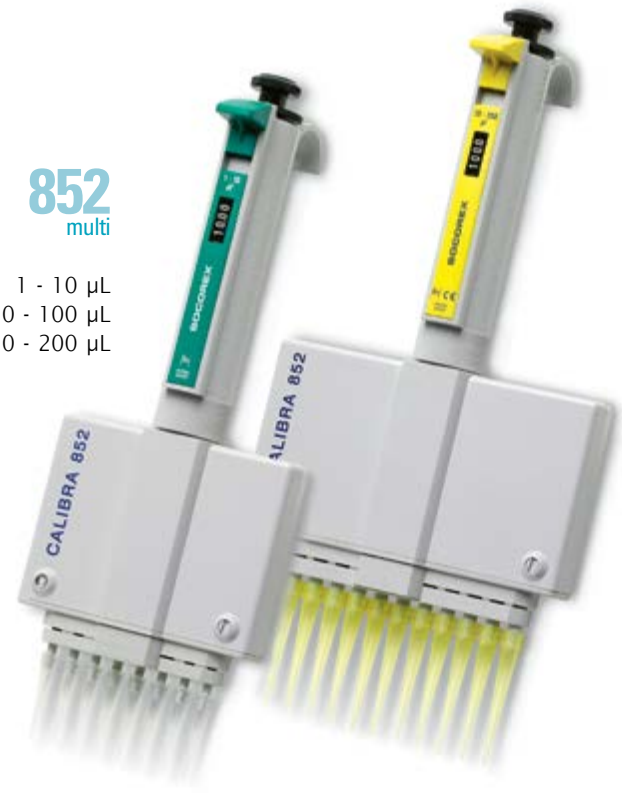
Volume	Division	Inaccuracy (E%)			Imprecision (CV%)			Tip style	Cat. No.
		Min. vol.	Mid. vol.	Max. vol.	Min. vol.	Mid. vol.	Max. vol.		
Calibra® *digital* 822									
2 - 20 µL	0.1 µL	<± 2.5 %	<± 1.5 %	<± 1.0 %	< 1.7 %	< 1.0 %	< 0.5 %	200 µL	822.0020
20 - 200 µL	1.0 µL	<± 1.5 %	<± 0.9 %	<± 0.6 %	< 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.

8- and 12-channel micropipettes with winding-free, instant volume adjustment extend pipetting possibilities in microplates. Three-year warranty.

852 multi

1 - 10 µL
10 - 10 µL
20 - 200 µL



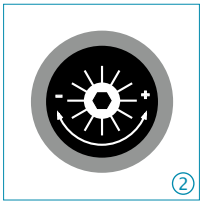
3 YEAR WARRANTY
SOLID CALIBRATION
AUTOCLAVE AT 121°C
IVD CONFORM
CE

The Calibra® *digital* 852

Product advantages

- Winding-free, instant volume adjustment
- Long term performance and calibration stability
- Lower assembly rotates 360° for optimal working comfort
- Easy sequential tip ejection
- Calibration simple to perform by user
- Shock, UV light and autoclaving resistance





Easy in-lab calibration ① ②

The calibration screw is located under the rubber pad. Engraved graduations help calibrate instrument quickly and precisely. Calibration key supplied with the instrument.





360° rotation ③

In addition to ergonomic hand fitting, the pipette lower assembly revolves for added user comfort.

Sequential tip ejection ④

Special shape of ejector head guarantees effortless, sequential easy tip ejection.





Multichannel reservoirs ⑤

Well adapted for multichannel pipettes, the reagent reservoirs come in various shapes and volumes. See page 41.

See Qualitix® pages 35-40 ⑥

See pipette stands pages 15-16

Performance and ordering information

Volume	Division	Inaccuracy (E %)			Imprecision (CV %)			Cat. No.
		Min. vol.	Mid. vol.	Max. vol.	Min. vol.	Mid. vol.	Max. vol.	
8-channel								
1 - 10 µL	0.05 µL	<± 3.5 %	<± 2.5 %	<± 1.5 %	< 3.0 %	< 2.0 %	< 1.0 %	852.08.010
10 - 100 µL	0.5 µL	<± 1.0 %	<± 0.9 %	<± 0.7 %	< 1.0 %	< 0.7 %	< 0.4 %	852.08.100
20 - 200 µL	1.0 µL	<± 0.9 %	<± 0.9 %	<± 0.7 %	< 0.6 %	< 0.4 %	< 0.3 %	852.08.200
12-channel								
10 - 100 µL	0.5 µL	<± 1.0 %	<± 0.9 %	<± 0.7 %	< 1.0 %	< 0.7 %	< 0.4 %	852.12.100
20 - 200 µL	1.0 µL	<± 0.9 %	<± 0.9 %	<± 0.7 %	< 0.6 %	< 0.4 %	< 0.3 %	852.12.200

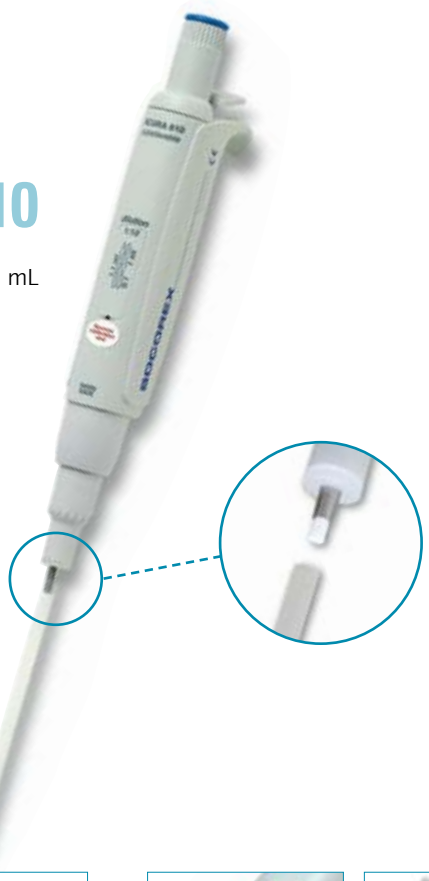
Performance values obtained with bidest. water at constant temperature (± 0.5°C) comprised between 20 and 25°C in accordance with ISO 8655.

Air displacement pipette with two pre-calibrated steps allows subsequent pipetting of 1 and 0.1 mL of the same liquid. Metal nozzle fits long straw tips to aspirate from narrow or deep reservoirs (i.e. Stomacher® bags). Ideal alternative to the graduated glass pipettes when performing serial 1:10 dilutions in bacteriology. Three-year warranty.

The Acura® *dilute* 810

810

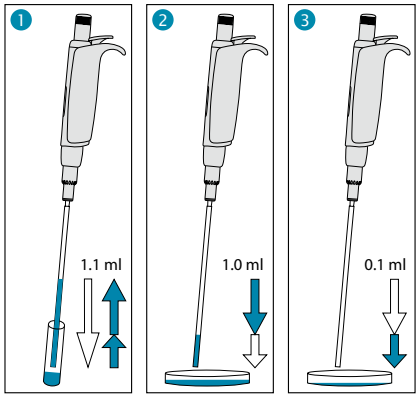
1 + 0.1 mL



Product advantages

- Two pre-calibrated fixed volumes – no setting required
- Smooth activation, excellent ergonomics
- Interchangeable PE nozzle protection filter
- Justip™ system* for height adjustment of tip ejector
- Independent calibration for each volume
- Easy maintenance, cleaning and disinfection
- Fully autoclavable at 121°C / 250°F

* Socorex patented



Simple operation

1. Depress plunger button in full, then release slowly to aspirate 1.1 mL
2. Depress plunger button to first stop, thus dispensing 1 mL in Petri dish
3. Depress plunger button to second stop, thus dispensing residual 0.1 mL in next Petri dish

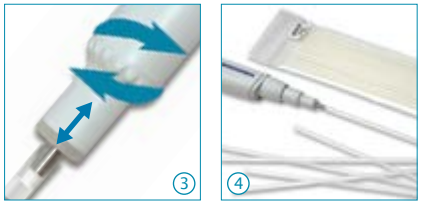


No setting required ①

Two fixed volumes within one plunger travel.

Innovative dual calibration ②

Both volumes of 1 mL and 0.1 mL can be calibrated independently from each other. Calibration switch protected by seal sticker.



Justip™ ejector ③

Turn left or right to adjust ejector to straw tip position on the nozzle.

Straw tips ④

First class polypropylene. Size 190 mm. Specially designed for narrow vials and Stomacher® bags. Large diameter (4mm) prevents blocking by particles in suspension.

Performance and ordering information - Instrument

Volume	Inaccuracy (E%)	Imprecision (CV%)	Cat. No.
1 mL 0.1 mL	<± 0.5 % <± 2.0 %	< 0.4 % < 2.5 %	810.1100

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

Ordering information - Accessories

Description	Packaging	Cat. No.
Straw tips, polypropylene, sterilized (L: 190 mm, Ø: 4 mm)	40x 25 / pk	313.1119.40
Nozzle protection filter, PE material	100 / pk	322.810
Work station 340 for 3 pipettes	1 / pk	320.340
Shelf pipette holder 332 for 2 pipettes	1 / pk	320.332
Shelf pipette holder 332 for 2 pipettes	4 / pk	320.332.4

High performance positive displacement micropipettes with interchangeable glass capillary tube and ETFE tipped plunger. The soft-shaped handle and smooth plunger activation provide for enhanced hand comfort while handling viscous liquids, foaming solutions or volatile solvents. Five models cover a range from 1 to 200 µL. Three-year warranty.



846

1 - 5 µL
5 - 25 µL
10 - 50 µL
60 - 100 µL
100 - 200 µL

The Acura® *capillar* 846

Product advantages

- Slim body shape, comfortable finger rest
- Smooth plunger activation
- Reliable, step-wise volume adjustment
- Colour codes matching on pipettes, plungers and capillaries
- Stainless steel, ETFE tipped plunger

Enhanced pipetting comfort ①

Instrument slim shape fits any hand. Comfortable hook enables pipette to rest naturally on finger. Well engineered spring system reduces plunger force requirement.









Pre-set volumes ②

Each pipette has five, easy to adjust pre-set volumes. Clear volume reading on pipette barrel.

Colour coding ③

Pipette, plunger tip and glass capillary bear colour coding for easy volume identification.

ETFE tipped plunger ④

Chemically inert ETFE material offers excellent resistance when coming in direct contact with liquids.

Workstation 340 ⑤

For up to three pipettes, any Socorex models (Cat. No. 320.340).

Performance and ordering information - Instruments

Volumes	Inaccuracy (E%			Imprecision (CV%			Cat. No.
	Min. vol.	Mid. vol.	Max. vol.	Min. vol.	Mid. vol.	Max. vol.	
1-2-3-4-5 µL	<± 3.0 %	<± 2.3 %	<± 2.0 %	< 2.5 %	< 2.0 %	< 1.2 %	846.005
5-10-15-20-25 µL	<± 1.5 %	<± 1.2 %	<± 0.8 %	< 1.0 %	< 0.9 %	< 0.6 %	846.025
10-20-30-40-50 µL	<± 1.2 %	<± 1.0 %	<± 0.7 %	< 0.8 %	< 0.7 %	< 0.4 %	846.050
60-75-80-90-100 µL	<± 0.7 %	<± 0.7 %	<± 0.7 %	< 0.6 %	< 0.5 %	< 0.3 %	846.100
100-120-150-175-200 µL	<± 0.7 %	<± 0.7 %	<± 0.7 %	< 0.3 %	< 0.3 %	< 0.3 %	846.200

Performance values obtained with bidest. water at constant temperature (± 0.5°C) comprised between 20 and 25°C in accordance with ISO 8655. Model 846 not autoclavable.

Ordering information - Accessories

Colour code	Packaging	Cat. No.
Spare glass capillaries		
White	200 / pk	341.005
2x white	200 / pk	341.025
Green	200 / pk	341.050
Blue	200 / pk	341.100
Red	100 / pk	341.200

Colour code	Packaging	Cat. No.
Spare plungers with glass capillaries		
Steel	5 / pk	342.005
White	5 / pk	342.025
Green	5 / pk	342.050
Blue	5 / pk	342.100
Red	5 / pk	342.200

Properly storing micropipettes prevents damages and extends their life span. Socorex offers a choice of stands adapted to any laboratory configuration.

332

Shelf pipette holder 332

- 2 positions
- Fitting micro-, macro- and multichannel pipettes



340

Static work station 340

- 3 positions
- Fitting micro-, macro- and/or multichannel Socorex® pipettes
- Easy reach of each instrument






① 
②


③ 
④ 
⑤

Holder for two instruments ①②

The attractive design accommodates all Calibra® and Acura® instruments, including microdispenser pipettes Acura® 865. A self-adhesive strip supplied ensures lasting attachment on any clean surface. Made of polycarbonate material.

Ordering information

Colour	Packaging	Cat. No.
Shelf pipette holder 332		
Transparent blue	1 / pk	320.332
Transparent blue	4 / pk	320.332.4
Static work station 340		
Light grey	1 / pk	320.340

Extended compatibility ③④⑤

Work station 340 also accommodates dilution pipette Acura® 810, positive displacement pipettes Acura® 846 and microdispenser pipettes Acura® 865. Heavy-bottom plate and anti-slip pads guarantee high stability. Made of polyamide material.

The two universal micropipette stands fit all brands, ensuring their proper storage at any time. Anti-slip pads guarantee bench stability. Easy to clean.

336



Twister™ *universal* 336

- 6 positions
- 360° soft rotation
- Instruments easy to pick-up
- Concept fits pipettes of most brands
- Interchangeable discs
- 7 translucent colours



In-line™ *universal* 337

337

- 7 positions
- Holds single channel pipettes of most brands
- Space-saving pipette stand
- Sturdy polyamide material
- 5 attractive pastel colours













Universal storage solution ①

No more micropipettes laying on the bench thanks to universal stands. They accommodate Socorex® and other brands micropipettes. Simple disassembling and cleaning.

Smooth rotation ②

Stand includes mechanism enabling soft rotation with the fingertip. For quick selection and picking of the desired micropipette.

Ordering information

Colour	Packaging	Cat. No.
Twister™ universal 336		
Rubin red	1 / pk	320.336R
Topaz orange	1 / pk	320.336O
Citrine yellow	1 / pk	320.336Y
Emerald green	1 / pk	320.336G
Sapphire blue	1 / pk	320.336B
Quartz grey	1 / pk	320.336Q
Diamond white	1 / pk	320.336W
In-line™ universal 337		
Light grey	1 / pk	320.337G
Pastel rose	1 / pk	320.337R
Ice blue	1 / pk	320.337B
Mint green	1 / pk	320.337M
Vanilla yellow	1 / pk	320.337Y

In-line™ universality ③④

One fits all; the stand holds new and old generations of Socorex® and other brands micropipettes.

Stepper™ repeater pipette

Highly comfortable pipette intended for reliable repeat dispensing within 10 to 5000 µL. Unique trigger action mechanism eliminates thumb fatigue. Selected materials offer outstanding shock resistance. Compact shape greatly limits internal instrument contamination. Large selection among 53 different volumes; up to 73 doses per filling.
Two-year warranty.



The Stepper™ 411

411

10 - 5000 µL

Product advantages

- 4-finger activation
- Setting knobs bear clear indication of volumes and number of aliquots
- Three positive displacement syringes, colour-coded
- Self-locking mechanism
- Ecostep™ syringes in regular and *bioproof™* versions











Clear setting indication ① ②

After inserting disposable syringe, select appropriate volume. Markings on selector buttons allow direct reading of set volume and corresponding number of aliquots.

Fingertip activation ③

User-friendly 4-finger trigger action eliminates thumb fatigue during repeat dosing. Self-locking mechanism prevents false delivery if liquid for the desired dose is insufficient.

Ecostep™ syringes ⑤

Available in standard non-sterile and sterile *bioproof*™ versions.
See page 18.

Ordering information

Description	Packaging	Cat. No.
Stepper™ 411 (incl. 3 colour-coded selector buttons, adapter, syringe samples)	1 / pk	411.5000
Replacement adapter for red Ecostep™ syringe	5 / pk	1.411.7
Stand for one Stepper™ ④	1 / pk	320.411



Three syringe sizes cover full volume range from 10 to 5000 µL. Colour coding on syringe and selector button eliminates any setting error. Quick insertion and removal from Stepper™. The graduation helps monitoring syringe content.

The Ecostep™ syringes

Product advantages

- Up to 73 doses per filling
- 19 different volumes per syringe
- Non sterile, bulk packaging
- Sterile, *bioproof*™, single wrapped
- Selection packs includes each syringe type

316

10 - 100 µL
50 - 500 µL
500 - 5000 µL

No. of aliquots	Volume µL	Volume µL	Volume µL
73	10	50	500
49	15	75	750
36	20	100	1000
29	25	125	1250
24	30	150	1500
20	35	175	1750
18	40	200	2000
15	45	225	2250
14	50	250	2500
12	55	275	2750
11	60	300	3000
10	65	325	3250
9	70	350	3500
8	75	375	3750
8	80	400	4000
7	85	425	4250
7	90	450	4500
7	95	475	4750
6	100	500	5000

Ecostep *bioproof*™ ②

High purity grade syringes, sterilized, single wrapped. Each batch is tested by independent laboratories for sterility, and certified free of detectable DNase, RNase, human DNA and Pyrogen (endotoxin).


①

Chemical resistance chart



②


③

Materials ①

The PE / PP materials used provide excellent chemical resistance. See chemical chart for further details.

Parts	Materials
Syringe plunger	HD-PE
Syringe cylinder	PP Copolymer

Selection packs ③

Ecostep™ selection packs include 20 ea. of yellow, blue and red syringes. They provide maximal flexibility at attractive costs.

Performance and ordering information - Ecostep™

Volume	Performance at	Inaccuracy (E%)	Imprecision (CV%)	Syringe capacity	Sterilized & *bioproof*™	Packaging	Cat. No.
10 - 100 µL	20 µL 100 µL	<± 1.5 % <± 1.0 %	< 1.5 % < 0.8 %	0.75 mL	No Yes	100 / pk 50x 1/ pk	316.010 316.010.9
50 - 500 µL	100 µL 500 µL	<± 1.0 % <± 0.5 %	< 1.0 % < 0.5 %	3.75 mL	No Yes	100 / pk 50x 1/ pk	316.050 316.050.9
500 - 5000 µL	1000 µL 5000 µL	<± 0.8 % <± 0.5 %	< 1.2 % < 0.4 %	37.5 mL	No Yes	100 / pk 50x 1/ pk	316.500 316.500.9

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

Ordering information - Selection packs

Description	Packaging	Cat. No.
Ecostep™ selection pack 20 ea. yellow, blue and red syringes	60 / pk	316.900
Ecostep *bioproof*™ selection pack 20 ea. sterile, single wrapped yellow, blue and red syringes	60x 1 / pk	316.900.9

Profiller™ *electro*

electronic pipette controller

This new generation pipette controller fits any hand in a very comfortable way. Shape is ideal for working with glass or plastic pipettes within laminar flow or microbiological safety cabinet. A maximal working efficiency, even with large pipetting volumes, is reached through a powerful, yet quiet motor pump and the availability of several setting options. One-year warranty.



447

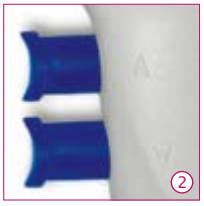
Pipettes
up to 100 mL
and over

The Profiller™ *electro* 447

Product advantages

- Powerful pump – fills 25 mL in 3 seconds
- Simple, fast operation
- Comfortable finger triggers
- Large display always visible
- Real time battery charge indicator
- NiMH battery rechargeable during use
- Reliable construction for shock and chemical resistance
- Interchangeable protection membrane filter
- Compact table and wall stands











Choice of dispensing modes ①

Instant activation of dispensing with blow-out (TC) or gravity mode (TD).

Instant speed setting ①

A switch enables selection of fast or slow aspiration and dispensing speeds, clearly indicated on display.

Finger triggers ②

Aspiration and dispensing controlled through two ergonomically positioned finger triggers requiring minimum activation effort. Triggers enable gradual speed regulation.

Battery charge ③

Instrument plug enables charging battery either in storage position or during use. Charge level visible on display.

Convenient stands

Instrument supplied with stable bench stand ④ including 3 suckers, and adhesive wall hanger ⑤.

Ordering information - Instrument

Supplied with power supply and cable, four plugs adaptors (EU, USA/JP, GB, AUS/NZ), two spare hydrophobic filters (0.45 µm and 0.2 µm), bench stand, wall hanger and instruction manual.

Profiller™ *electro* 447	Packaging	Cat. No.
With plug and charger	1 / pk	447.100

Ordering information - Accessories and spare parts

Description	Packaging	Cat. No.
Spare bench stand	1 / pk	320.947
Spare wall hanger	1 / pk	320.447
Spare 1.2V NiMH battery	3 / pk	900.917
Power supply, Europe style plug	1 / pk	900.947E
Power supply, UK style plug	1 / pk	900.947G
Power supply, USA-Japan style plug	1 / pk	900.947U

Description	Packaging	Cat. No.
Membrane filter, 0.45 µm	5 / pk	322.447
Membrane filter, 0.2 µm	5 / pk	322.407
Silicone pipette holder	1 / pk	1.447.01
Nose cone	1 / pk	1.447.02

manual pipette controller

Robust and easy to use, this model offers ergonomic shape and lightweight. It provides smooth control in both aspirating and dispensing, using glass or plastic pipettes of volume up to 100 mL.
One-year warranty.

435

Pipettes
up to 100 mL



Profiller™ *manual* 435

Product advantages

- Large capacity bulb
- Soft action lever button
- Efficient blow-out system
- PTFE protection membrane filter
- Maintenance free
- Alternative colour-coded nose cones

Squeezable bulb ①

Simply squeeze large capacity silicone bulb for efficient aspiration. If additional aspiration is needed, it can be squeezed even during pipetting.





Precise control ②

Thumb lever button for left and right-handed users to easily control both aspiration and dispensing speeds.

Liquid blow-out ③

Press large button to expel residual liquid when using blow-out type pipettes.

Ordering information - Profiller™ *manual* 435

Description	Packaging	Cat. No.
Profiller™ *manual* 435, egg style blue bulb	1 / pk	435.100



Protection filter ④

Interchangeable hydrophobic membrane filter guarantees effective protection against airborne contamination during aspiration and dispensing.



Colour coding cones ⑤

Nose cone can be changed for laboratory or department identification. Choose among regular white or a bunch of three colours.

Pipette holder

Conical shape of silicone pipette holder tightly fits graduated glass or plastic pipettes. Autoclavable.

The Profillette™ 406

Product advantages

- One-hand operation
- Easy filling and dispensing
- Air inlet valve for fast distribution
- Colour coding per size
- Maintenance free



406

2 mL
10 mL
25 mL

Ordering information - Profillette™ 406

Volume	Colours	Packaging	Cat. No.
2 mL	blue	1 / pk	406.002
10 mL	green	1 / pk	406.010
25 mL	red	1 / pk	406.025
2 / 10 / 25 mL	assorted	3 / pk	406.300

Ordering information - Accessories

Description	Packaging	Cat. No.
Profillette™ 406		
Spare silicone pipette holder	1 / pk	1.406.01
Replacement nose screw	1 / pk	1.406.02
Profiller™ *manual* 435		
Membrane filter, 0.45 µm	5 / pk	322.435
Membrane filter, 0.2 µm	5 / pk	322.400
Silicone pipette holder	1 / pk	1.435.01
Nose cone - white	3 / pk	1.435.02
Alternative nose cones - pink, violet, green (1 each)	3 / pk	1.435.03

Acura® *self-refill*

self-refilling microdispenser pipette

Hand-held, self-refilling microdispenser intended for repeat distribution of microliter volumes. Carefully selected materials ensure durability and resistance to aggressive media. Instrument combines easy handling of a regular micropipette with flexibility of a repeater pipette.
There is no need for plastic tips or consumables, which may represent substantial savings.
Three-year warranty.

865

5 - 50 µL
20 - 200 µL
100 - 1000 µL



The Acura® *self-refill* 865

Product advantages

- Excellent ergonomics, soft plunger activation
- Large volume display
- *Swift-set* user calibration system*
- No need for consumables
- Autoclavable fully assembled at 121°C / 250°F
- Versatile feeding through bottle, tubing or syringe

* Socorex patented

Excellent ergonomics ①

Instrument shape and lightweight offer most convenient pipetting comfort. Smooth plunger activation drastically reduces hand fatigue.





Convenient dispensing ①

Reliable valve system ensures high performance dispensing, dose after dose. It revolves to allow selection of the best working position.





Swift-set calibration system* ③④

Easy and precise system with integrated key and locking mechanism, making tedious procedures a thing of the past.

* Socorex patented

Chemical compatibility see page 26
Needles and cannulas see page 31

Socorex calibration seal — Protective calibration seal sticker

Choice of feeding sources

Supplied with 90 cm silicone tubing, the instrument also fits optional feeding sources: ❶ bottle, ❷ vial, ❸ syringe.

Great distribution flexibility

Outlet nozzle fits any Luer Lock needles and cannulas. Optional PTFE cannula provides enhanced chemical resistance. Use 4- or 8-channel manifold when dispensing into microplates.

Performance and ordering information - Instruments

Including: 90 cm silicone tubing, SS blunt end cannula, female Luer inlet valve cap, QC certificate and operating instructions.

Volume	Division	Inaccuracy (E %)			Imprecision (CV %)			Cat. No.
		Min. vol.	Mid. vol.	Max. vol.	Min. vol.	Mid. vol.	Max. vol.	
5 - 50 µL	0.1 µL	<± 5.0 %	<± 3.5 %	<± 1.5 %	< 2.0 %	< 1.4 %	< 0.4 %	865.0050
20 - 200 µL	0.2 µL	<± 2.5 %	<± 1.8 %	<± 1.0 %	< 1.5 %	< 1.0 %	< 0.3 %	865.0200
100 - 1000 µL	1.0 µL	<± 1.5 %	<± 1.1 %	<± 0.6 %	< 0.6 %	< 0.4 %	< 0.2 %	865.1000

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

Ordering information - Accessories

Description	Packaging	Cat. No.
Reservoir*, 30 mL, PP, Luer	1 / pk	1.861.631
Reservoir*, 30 mL, PTFE, Luer	1 / pk	1.861.21T
Vial holder*, Luer	1 / pk	1.861.925
Inlet valve cap*, female Luer (for syringe)	1 / pk	1.861.720
Outlet valve cap*, Luer Lock	1 / pk	1.861.569
PTFE delivery cannula*	1 / pk	1.861.E32
Manifold*, 4-channel, Luer Lock, stainless steel (20mm spacing)	1 / pk	1.170.054
Manifold*, 8-channel, Luer Lock, stainless steel (9mm spacing)	1 / pk	1.170.058
Work station 340 for 3 pipettes	1 / pk	320.340

*Autoclavable

Compact dispensers for safe reagent handling, adapted to refrigerator storage as well as water bath heating. Dosing mechanism entirely protected inside reservoir. Manufactured and tested to fully comply with the latest regulations on instrument safety and precision. Volumes range from 0.2 to 30 mL. Two-year warranty.

2 YEAR WARRANTY

AUTOCLAVE AT 121°C

The Acurex™ *compact* 501

Product advantages

- Integrated dosing mechanism
- Simple, robust construction
- Retractable graduated column reduces instrument height
- Fluid path materials excluding any metal
- Choice of four reservoir sizes
- Fully autoclavable at 121°C / 250°F

501

0.2 - 2 mL
0.4 - 5 mL
1 - 10 mL
1 - 30 mL



Chemical compatibility
see page 26





Space saving low profile ① ②

The graduated column is retractable for height reduction, making the dispenser ideal for storage in refrigerators.



Glass reservoir ③

Amber glass offers optimal light protection.



Autoclavable extension tubing ④

PTFE Jet-Pen™ and tubing help dispense into vessels with maximum comfort within a 60 cm distance. For 1 and 2 L reservoirs (Cat. No. 1.523).

Chemical resistance chart

Performance and ordering information

Volume	Division	Imprecision (CV%)			Reservoir capacity	Cat. No.
		Min. vol.	Mid. vol.	Max. vol.		
0.2 - 2 mL	0.1 mL	< 0.5 %	< 0.35 %	< 0.1 %	250 mL	501.02025
0.2 - 2 mL	0.1 mL	< 0.5 %	< 0.35 %	< 0.1 %	1000 mL	501.021
0.2 - 2 mL	0.1 mL	< 0.5 %	< 0.35 %	< 0.1 %	2000 mL	501.022
0.4 - 5 mL	0.2 mL	< 0.5 % [1]	< 0.35 %	< 0.1 %	500 mL	501.0505
0.4 - 5 mL	0.2 mL	< 0.5 % [1]	< 0.35 %	< 0.1 %	1000 mL	501.051
0.4 - 5 mL	0.2 mL	< 0.5 % [1]	< 0.35 %	< 0.1 %	2000 mL	501.052
1 - 10 mL	0.2 mL	< 0.5 %	< 0.35 %	< 0.1 %	1000 mL	501.101
1 - 10 mL	0.2 mL	< 0.5 %	< 0.35 %	< 0.1 %	2000 mL	501.102
1 - 30 mL	1.0 mL	< 0.5 % [2]	< 0.35 %	< 0.1 %	2000 mL	501.302

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 mL [2] measured at 3 mL

Chemically inert materials

All parts in contact with the liquid are made from chemically inert materials:

Parts	Materials
Valve	Pyrex glass and synthetic ruby
Barrel	Neutral glass
Plunger	FEP-coated glass
Reservoir	Amber glass
Delivery jet and union	PTFE / ETFE / PFA

Calibrex™ *organo* and *solutae* bottle-top dispensers

A generation of robust instruments with excellent chemical resistance, high performance and easy maintenance. Fitting most reagent bottles, it enables safe and reproducible dispensing in volumes ranging from 0.1 to 100 mL. Choose between the *organo* and the *solutae* models for adequate resistance to liquid dispensed. Two-year warranty.



525 / 530

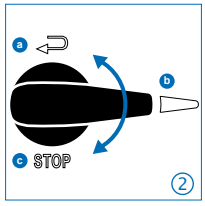
0.1 - 1 mL
0.25 - 2.5 mL
0.5 - 5 mL
1 - 10 mL
2.5 - 25 mL
5 - 50 mL
10 - 100 mL

The Calibrex™ *organo* 525 and *solutae* 530

Product advantages

- Selection between two different models
- Permanent fluid path visibility
- Integrated calibration system
- Choice of adjustment button (optional)
- Flow control system with stopcock (optional)
- QR code accessing chemical compatibility chart
- Autoclavable at 121°C / 250°F fully assembled





Ease of use ①

Smooth aspiration and distribution for trouble-free routine dispensing. Dual scale enables volume reading from a wide angle.

Flow control stopcock ②

Next to its dispensing position ⓑ, device enables liquid priming and recycling ⓐ without reagent loss or contamination. Locking position ⓒ for safe dispenser transportation.





Volume setting

Spring loaded sliding cursor ③ softly moves up and down dual scale and precisely stops at desired graduation. Easy exchange for the alternative classical screw button ④, available as accessory.



Permanent visibility ⑤

Safety transparent thick sleeve around barrel and delivery jet window allow liquid flow monitoring.



Optimal working position ⑥

The instrument rotates 360° for adequate positioning on the bottle. Free rotating dispenser body makes volume clearly visible from any position.

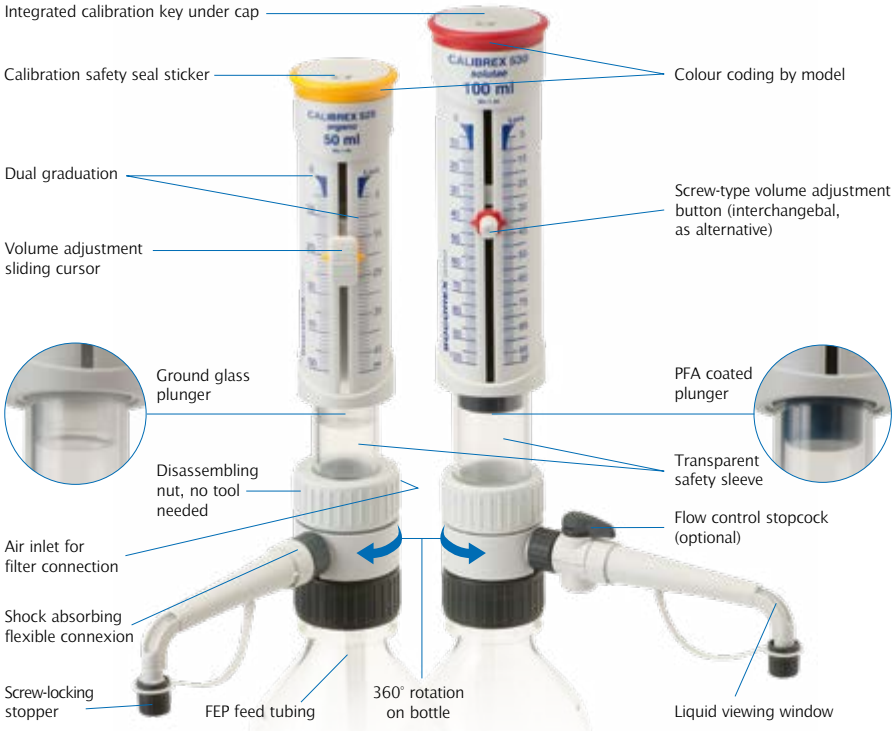
Chemical compatibility see page 26

Supply content

Dispensers supplied with 300 mm feed tubing (350 mm ≥ 25 mL), 90 mm delivery jet (120 mm ≥ 25 mL) QC certificate and operating instructions. Base thread 45 mm, adaptors 25, 28, 32 mm (1 and 2,5 mL), 28, 32, 40 mm (5 and 10 mL), 32, 38, 40 mm (≥ 25 mL).

Model differentiation Calibrex™ 520, 525 and 530





Material selection

Parts in contact with liquid flow are chemically inert, providing for stability and long instrument life.

Parts	525 *organo*	530 *solutae*
Feed tubing 1 to 10 mL	PTFE	
Feed tubing 25 to 100 mL	FEP	
Valve body	Ceramic	
Valve balls 1 to 10 mL	Pyrex glass	
Valve balls 25 to 100 mL	Ceramic	
Valve spring	Platinum-iridium	
Valve plate	PTFE	
Barrel	Borosilicate glass	
Plunger 1 to 5 mL	Ceramic	PFA coated ceramic
Plunger 10 to 100 mL	Ground glass	PFA coated glass
Connecting body	ETFE	
Delivery jet	FEP / PCTFE	
Stopper	ETFE	

Chemical resistance ④

Printed QR code for instant access to chemical resistance chart.











Air filter ①

Air inlet can be enlarged to receive a membrane filter, if airborne contamination is a concern.

Easy In-lab calibration

② Access to mechanism protected by safety seal sticker.
③ Integrated key located under plunger cap. Engraved +/- arrows for easy and precise setting.

Maintenance ⑤

Disassembling/reassembling facilitated by limited number of well-connected parts – no tool needed. Key elements such as valves, plunger, barrel and delivery jet removable in seconds for cleaning. Fully autoclavable at 121°C / 250°F.

Performance and ordering information - Calibrex™ *organo* 525 and *solutae* 530

See page 23 for supply content.

Volume mL	Division mL	Inaccuracy (E%)			Imprecision (CV%)			Calibrex™ *organo* 525		Calibrex™ *solutae* 530	
		Min.vol	Mid.vol	Max.vol	Min.vol	Mid.vol	Max.vol	Regular, (no stopcock)	With stopcock	Regular, (no stopcock)	With stopcock
0.1 - 1	0.02	<± 3.0 %	<± 1.8 %	<± 0.6 %	< 1.2 %	< 0.7 %	< 0.17 %	525.001	525.001FC	530.001	530.001FC
0.25 - 2.5	0.05	<± 2.7 %	<± 1.6 %	<± 0.6 %	< 0.9 %	< 0.55 %	< 0.17 %	525.002.5	525.002.5FC	530.002.5	530.002.5FC
0.5 - 5	0.1	<± 2.0 %	<± 1.3 %	<± 0.6 %	< 0.5 %	< 0.35 %	< 0.1 %	525.005	525.005FC	530.005	530.005FC
1 - 10	0.2	<± 1.5 %	<± 1.2 %	<± 0.6 %	< 0.5 %	< 0.35 %	< 0.1 %	525.010	525.010FC	530.010	530.010FC
2.5 - 25	0.5	<± 1.5 %	<± 1.1 %	<± 0.6 %	< 0.5 %	< 0.35 %	< 0.1 %	525.025	525.025FC	530.025	530.025FC
5 - 50	1.0	<± 1.5 %	<± 1.1 %	<± 0.6 %	< 0.5 %	< 0.35 %	< 0.1 %	525.050	525.050FC	530.050	530.050FC
10 - 100	1.0	<± 1.5 %	<± 1.1 %	<± 0.6 %	< 0.5%	< 0.35 %	< 0.1 %	525.100	525.100FC	530.100	530.100FC

Performance values obtained by a smooth and steady pace movement, with bidest. water at constant temperature (± 0.5°C) comprised between 20 and 25°C, in accordance with ISO 8655.
Warning: omission to untighten connecting body ring before autoclaving, and / or over-tightening ring when dispensing may reduce performance.

Designed for performance handling of liquids from a large variety of bottles and flasks, the Calibrex™ *universal* dispensers combine the latest in dosing technology, high-tech materials and ergonomic design. They are manufactured and tested to fully comply with current safety regulations. Fixed versions also available in any volume within these ranges. Two-year warranty.



2 YEAR WARRANTY

SOLID CALIBRATION

AUTOCLAVE AT 121°C

The Calibrex™ *universal* 520

520

0.25 - 2 mL
1 - 5 mL
1 - 10 mL

Product advantages

- Superior chemical resistance
- Long-lasting performance stability
- Simple construction – no tool for disassembling
- Single hand volume setting
- Calibration mechanism under the cap
- QR code accessing chemical compatibility chart
- Autoclavable at 121°C / 250°F fully assembled

Friendly digital volume setting ①②

Fast and precise volume adjustment. Efficient click-stop mechanism prevents unwanted alteration.





Large display is easy to read; the window adjusts to desired side of instrument body. Each step on the cylindrical cam is pre-calibrated and corresponds to one division on the volume adjustment scale.

Large selection of bottles see page 28

Optimised working position ③

The instrument rotates 360° for adequate positioning on top of the bottle.





Air filter ④

Air inlet can be enlarged to receive a membrane filter, if airborne contamination is a concern.

In-lab calibration ⑤

Calibrex™ dispensers are factory calibrated and can be easily recalibrated by means of a dedicated adjustment screw.





Easy maintenance ⑥

Disassembling/reassembling is facilitated by the limited number of well-connected parts - no tool needed.

Superior material selection

Special attention is paid to component materials, providing for long instrument life. Parts coming in contact with the liquid flow are chemically inert.

Parts	Materials
Feed tube	PTFE
Intake valve	Ceramic
Valve balls	Pyrex glass
Valve spring	Platinum-iridium
Barrel	Borosilicate glass
Barrel plate / base	PTFE
Plunger	Glass with PFA coating
Outlet valve	Ceramic
Body	ETFE
Delivery jet assembly	PTFE/ETFE

Performance and ordering information

Calibrex™ *universal* 520 have a 32 mm base thread.
They come with three adaptors: 28, 40, 45 mm and 300 mm feed tube.

Volume	Division	Inaccuracy (E %)			Imprecision (CV %)			Cat. No. Adj. volume	Cat. No. Fixed volume*
		Min.vol	Mid.vol	Max.vol	Min.vol	Mid.vol	Max.vol		
0.25 - 2 mL	0.05 mL	<± 3.0 %	<± 1.8 %	<± 0.6 %	< 0.5 %	< 0.35 %	< 0.1 %	520.002	520.F02
1 - 5 mL	0.1 mL	<± 2.0 %	<± 1.3 %	<± 0.6 %	< 0.5 %	< 0.35 %	< 0.1 %	520.005	520.F05
1 -10 mL	0.25 mL	<± 1.5 %	<± 1.1 %	<± 0.6 %	< 0.5 %	< 0.35 %	< 0.1 %	520.010	520.F10

* Specify desired fixed volume within instrument range when ordering. Performance values obtained with bidest. water at constant temperature (± 0.5°C) comprised between 20 and 25°C in accordance with ISO 8655.



Chemicals A - H	Acura 865	Acurex 501	Calibrex 520	Calibrex 525	Calibrex 530
Acetaldehyde (Ethanal)	C/2	A	A	A	A
Acetic acid 96%	B/2	A	A	A	B/2
Acetic acid 100% (Glacial)	B/2/3	A	A	B/4	B/2/4
Acetone (Propanone)	C/2/3	A	B/4	A	A
Acetonitrile (MECN)	B/2/3	A	A	B/4	B/4
Amino acids	B/1/4	B/1	A	C/1	A
Ammonium hydroxide (amonia)	C/2	A	A	B/4	B/4
Amyl alcohol (Pentanol)	A	A	A	A	A
Aniline	B/2	A	A	A	A
Ascorbic acid	B/1	A	A	C/1	A
Benzaldehyde	C/2	A	A	A	A
Benzene	C/3	A	B/4	B/4	B/4
Boric acid 10%	B/1/4	A	A	B/1	A
Bromine	B/2/3	B/2	B/2	C/4	C/2/4
Butanol	B/2/3	A	A	A	A
Butanone (MEK)	C/2	A	C/4	C/4	C/4
Butyl acetate	C/2	A	A	B/4	B/4
N-Butylamine	C/2	B/4	B/4	B/4	B/4
Calcium chloride	B/1/4	B/1	A	C/1	A
Calcium hydroxide	B/1/4	B/1	B/1	C/1	B/1
Carbon disulfide	B/2/3/4	A	A	B/4	B/4
Carbon tetrachloride	C/3	A	A	B/4	B/4
Chlorine dioxide	C/2/4	B/2/4	B/2/4	B/4	B/2/4
Chlorobenzene	B/2	A	A	B/4	B/4
Chlorobutane	B/4	A	A	B/4	B/4
Chloroethanol	B/2	A	A	B/4	B/4
Chloroform	C/2/4	C/4	B/4	B/4	B/4
Chlorosulfuric acid 100%	C/4	B/2/3	B/3	B/3/4	B/3/4
Chromic acid 100%	B/4	B/2/3	B/3	B/3/4	B/3/4
Citric acid	A/1	A	A	B/1	A
Cyanoacrylate	C/1/2/4	C/1	C/1	C/1	C/1
Cyclohexane	B/2/3	A	A	B/4	B/4
Cyclohexanone	C/2	A	A	B/4	B/4
1,4-Dioxane (Diethylene dioxide)	C/2	A	A	B/4	B/4
Dichlorobenzene	B/4	A	A	A	A
Dichloroethane (DCE)	B/4	B/4	B/4	A	A
Diesel oil (Heating oil)	B/3	A	A	A	A
Diethylene glycol	B/4	A	A	A	A
Diethylether	C/2	A	A	B/4	B/4
Dimethyl sulfoxide (DMSO)	B/1/2/4	A	A	B/1/4	B/4
Dimethylformamide (DMF)	C/2/4	A	B/4	B/4	B/4
Ethanol	B/2/4	A	A	A	A
Ether	C/2/3	A	B/4	B/4	B/4
Ethyl acetate	C/2/3/4	A	A	B/4	B/4
Ethylenediamine	C/2	A	A	A	A
Ethylene glycol	B/4	A	A	A	A
Formaldehyde (Formalin)	A	A	A	A	A
Formamide	B/2/4	A	A	A	A
Formic acid	C/2/4	A	A	A	A
Gamma-butyrolactone	C/2/4	A	A	A	A
Gasoline	C/3	A	A	B/4	B/4
Glycerin <40%	A	A	A	A	A
Heptane	B/3	A	A	A	A
Hexane	B/3	A	A	A	A
Hydrochloric acid <20%	C/4	B/3	A	A*	A*
Hydrochloric acid 37% (HCl)	C/4	B/2/3	B/2/3	B/1/3/4	B/2/3/4
Hydrofluoric acid (HF)	C/2/4	C/5	C/5	C/5	C/5
Hydrogen peroxide	B/3/4	A	A	A	B/2



Chemicals I - Z	Acura 865	Acurex 501	Calibrex 520	Calibrex 525	Calibrex 530
Iodine	B/1/2/3/4	A	A	C/1	B/1
Iodine bromide / chloride	C/2/4	C/2/4	C/2/4	C/4	C/2/4
Isooctane	B/3	A	A	A	A
Isopropanol	A	A	A	A	A
Isopropylamine	B/2/4	A	A	B/4	B/4
Lactic acid	C/1/4	A	A	C/1	A
2-Methoxyethanol	B/2/4	A	A	A	A
Methanol	C/2/4	A	A	A	A
Methyl chloride (Chloromethane)	C/3/4	B/4	B/4	B/4	B/4
Methyl methacrylate (MMA)	C/2/4	A	A	B/4	B/4
Methyl propyl ketone (2-Pentanone)	C/2/3/4	A	B/4	A	A
Methylene chloride (Dichloromethane) (DCM)	C/3/4	A	B/2/4	B/4	B/2/4
Nitric acid >70%	B/2/4	B/2/3	C/2/3	C/1/3/4	C/2/3/4
Nitric acid 30-70%	B/2/4	B/2/4	B/2/4	B/4**	B/2/4**
Nitric acid dil. <30%	B/2/4	A	A	A*	A*
Nitro-hydrochloric acid (Aqua regia)	C/4	B/2/3	B/3	B/4	B/2/4
N-methyl-2-pyrrolidone (NMP)	B/4	A	A	A	A
Octane	B/3	A	A	A	A
Octanol	A	A	A	A	A
Oil, mineral (engine oil)	A	A	A	A	A
Oil, vegetable, animal	B/2	A	A	B/4	B/4
Oil of turpentine	B/2	A	A	B/4	B/4
Oxalic acid	B/1/4	A	A	C/1	A
Pentane	B/3/4	B/4	B/4	B/4	B/4
Perchloric acid 100%	B/4	B/2/3	B/3	B/4	B/4
Perchloric acid diluted	B/4	A	A	A	A
Petroleum	B/3	A	A	B/4	B/4
Petroleum ether / spirit	C/3	A	A	B/4	B/4
Phenol	B/2/3/4	A	A	A	A
Phenylhydrazine	B/1/4	A	A	B/1/4	B/4
Phosphoric acid 100%	B/3/4	A	A	A	A
Potassium chloride	C/1/4	B/1	A	C/1	A
Potassium dichromate	B/1/2	A	A	C/1	B/1
Potassium hydroxide	B/1/2	B/1	B/1	C/1	A
Potassium iodide	B/1/4	A	A	C/1	A
Potassium permanganate	C/1/2/4	A	A	C/1	B/1
Propionic acid (Propanoic acid)	B/4	A	A	A	A
Propylene glycol (Propane-1,2-diol)	A	A	A	A	A
Picric acid (Trinitrophenol)	B/2/4	A	A	B/4	B/4
Pyridine	C/2/4	B/4	B/4	B/4	B/4
Scintilation fluid	---	A	A	A	A
Silver nitrate	C/1	A	B/1	C/1	A
Sodium acetate	C/1/2	A	A	C/1	A
Sodium chloride (Kitchen salt)	B/1/4	B/1	A	C/1	A
Sodium hydroxide 30%	C/1/2	B/1	B/1	C/1	B/1
Sodium hypochlorite (Javel water)	C/1/2/4	A	A	C/1	B/4
Sodium thiosulfate	B/1/4	A	A	C/1	A
Sulfonitric acid 100%	B/2/4	B/2/3	B/2/3	B/3/4	B/2/3/4
Sulfuric acid <60%	B/3/4	B/3	A	A*	A*
Tetrachloroethylene	B/2/4	B/4	B/4	B/4	B/4
Tetrahydrofuran (THF)	C/2/4	B/2/4	B/2/4	B/4	B/2/4
Toluene	C/2/3/4	A	B/4	A	A
Trichlorethylene	C/3	B/4	B/4	B/4	B/4
Trichloroacetic acid	C/1/2/4	A	A	B/1/4	B/4
Trichloroethane	C/3	B/4	B/4	B/4	B/4
Trichloromethane (Chloroform)	B/2/4	B/4	B/4	B/4	B/4
Triethylene glycol	B/2/4	A	A	A	A
Trifluoroacetic acid (TFA)	C/2/4	B/3	B/3	B/4	B/4
Xylene	C/2/3/4	A	B/4	B/4	B/2/4

* Acceptable with limitations for Calibrex 525/530 up to 5 mL.
** Not recommended for Calibrex 525/530 up to 5 mL.

Compatibility statement
A = Good resistance B = Acceptable with limitations C = Not recommended

Technical risks
1 = Possible crystallisation, valve or plunger blockage. Scratches on plunger coating if plunger/barrel dried and stick together.
2 = Swell of plunger coating, possible peeling. Acura® 865: chemical degradation of O-ring.
3 = Release of acid vapours (risk increases with concentration). Do not leave dispenser on bottle.
Acura® 865: limited dosing cycles, possible plunger blockage and/or corrosion.
4 = Damage, softening or discoloration of external parts through vapours. Do not leave dispenser on bottle.
Acura® 865: vapours may damage internal and external parts of upper assembly.
5 = Chemical degradation of glass parts (plunger/barrel).

Extended chemical lists

Acura® 865

Acurex™ 501
Calibrex™ 520

Calibrex™ 525/530

Accessories for bottle-top dispensers

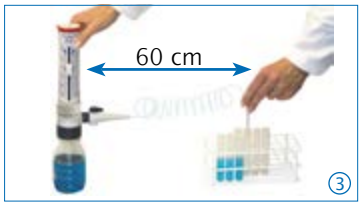


Dispenser stability ①
Stands hold dispenser when screwed on small-size bottle.





Remote aspiration ②
Work station facilitates liquid intake from drum or other remote container (<10 m distance, <2 m elevation).



Extension tubing ③
Spiral tubing and delivery Jet-Pen™ help dispense into vessels with maximum comfort within a 600 mm distance. No tool needed to assemble or to remove for cleaning. Autoclavable.

Description	Packaging	Cat. No.
Dispenser stability ①		
Fits Calibrex™ 520 dispensers	1 / pk	320.SB050
Fits Calibrex™ 525/530 dispensers	1 / pk	320.SB100
Remote aspiration ②		
Fits Calibrex™ 520 dispensers*	1 / pk	320.BC050
Fits Calibrex™ 525/530 dispensers* as of 25 mL	1 / pk	320.BC100
Feed tubing set, 2.5 m with connector for remote aspiration, fits Calibrex™ 525/530 as of 25 mL	1 / pk	1.525.581

* Dispenser and feed tubing / connector to be ordered separately

Extension tubing ❸	Material	Length	int. Ø	Cat. No.
Fits Calibrex™ 520 up to 10 mL	PTFE	600 mm	2.2 mm	1.524
Fits Calibrex™ 525/530, up to 10 mL	FEP/PCTFE	600 mm	2.2 mm	1.525.610
Fits Calibrex™ 525/530, 25 mL	FEP/PCTFE	600 mm	2.2 mm	1.525.625
Fits Calibrex™ 525/530, 50 and 100 mL	FEP/PCTFE	600 mm	4 mm	1.525.650



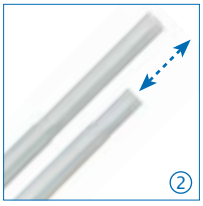
Flow control stopcock ④
Fitting Calibrex™ 525/530 models. No tool needed to assemble or to remove for cleaning. Autoclavable.



Delivery jet ⑤
Standard and extended assemblies are exchangeable without any tool. Fully autoclavable.

Description	Packaging	Cat. No.
Flow control stopcock for Calibrex™ 525/530 ④		
Fits models up to 10 mL	1 / pk	1.525.544
Fits models as of 25 mL	1 / pk	1.525.546
Delivery jet assembly, 90 mm, for Calibrex™ 525/530 ⑤		
Fits 1 mL model	1 / pk	1.525.090
Fits 2.5, 5 and 10 mL models	1 / pk	1.525.091
Delivery jet assembly, 120 mm, for Calibrex™ 525/530 ⑤		
Fits 25 mL model	1 / pk	1.525.120
Fits 50 and 100 mL models	1 / pk	1.525.121
Delivery jet assembly, extended, 120 mm, for Calibrex™ 525/530 ⑤		
Fits 1 mL models	1 / pk	1.525.123
Fits 2.5, 5 and 10 mL models	1 / pk	1.525.125
Delivery jet assembly, extended, 150 mm, for Calibrex™ 525/530 ⑤		
Fits 25 mL models	1 / pk	1.525.150
Fits 50 and 100 mL models	1 / pk	1.525.151





Standard and telescopic feed tubings ①②

Supplied either cut to standard size or uncut, by the meter.
Optional telescopic tubing for instant fitting to bottle size.

Description	Length	int. Ø	Cat. No.
Replacement feed tubing, PTFE ①			
Fits Calibrex™ 520/525/530 up to 10 mL, cut	300 mm	5 mm	511.707
Fits Calibrex™ 520/525/530 up to 10 mL, by the meter, uncut	specify	5 mm	511.709
Replacement feed tubing, FEP ①			
For Calibrex™ 525/530 as of 25 mL, cut	350 mm	7 mm	525.350
For Calibrex™ 525/530 as of 25 mL, by the meter, uncut	specify	7 mm	525.706
Telescopic feed tubing, FEP ②			
Fits Calibrex™ 520/525/530 up to 10 mL	150 - 255 mm	1 / pk	1.525.352
Fits Calibrex™ 525/530 as of 25 mL	195 - 345 mm	1 / pk	1.525.355





Alternative setting button ③

Classical screw-type button easily replaces the original sliding cursor, according to user preference.

Calibration seal stickers ④

Autoclavable seal sticker protects access to the calibration mechanism of Calibrex™ 525/530 models.

Description	Colour	Packaging	Cat. No.
Screw type volume setting button ③			
Fits Calibrex™ 525 dispensers	Yellow	1 / pk	1.525.918
Fits Calibrex™ 530 dispensers	Red	1 / pk	1.530.918
Safety seal sticker ④			
Fits Calibrex™ 525/530 dispensers		25 / pk	1.525.525
Fits Calibrex™ 525/530 dispensers		100 / pk	1.525.526





Bottle-neck adapters ⑤⑥

Each Calibrex™ dispenser comes along with three bottle-neck adapters. To fit additional bottle-neck diameter, order the appropriate adapter size or combine two adapters to reach the adequate solution.

Type	Ext. Ø of bottle neck	Cat. No.
Adapters for Calibrex™ *organo* 525 and *solutae* 530 ⑤		
Threaded, PP	32 - 25 mm	1.525.GL25
Threaded, PP	32 - 28 mm	1.525.GL28
Threaded, PP	45 - 32 mm	1.525.GL32
Threaded, PP	45 - 38 mm	1.525.GL38
Threaded, PP	45 - 40 mm	1.525.GL40
Adapters for Calibrex™ *universal* 520 ⑥		
Threaded, PP	Ø 22, 25, 28, 30, 34, 36, 38, 40, 45 mm	GLP + Ø
Threaded, PTFE	Ø 36, 38, 40, 45 mm	GLT + Ø
Tapered, PP	Ø 18.8, 24, 29.2, 45 mm	NSP + Ø













Reagent bottles

Glass and polyethylene reagent bottles supplied with its PP screw cap. Suitable for all bottle top dispensers.
Corresponding neck adapters supplied with the dispensers.

Shape	Volume	Neck , ext. Ø	Cat. No.
Amber glass[1)] ⑦			
Square	100 mL	32 mm	314.0100
Square	250 mL	32 mm	314.0250
Square	500 mL	32 mm	314.0500
Square	1000 mL	45 mm	314.1000
Round	2500 mL	45 mm	314.2500
Amber glass[1)], with handle ⑧			
Round	2500 mL	45 mm	314.2500H
PE coated amber glass[2)] ⑨			
Square	500 mL	32 mm	314.0500PE
Square	1000 mL	45 mm	314.1000PE
Round	2500 mL	45 mm	314.2500PE

[1)] autoclavable [2)] not autoclavable

Shape	Volume	Neck , ext. Ø	Cat. No.
Clear borosilicate glass[1)] ⑩			
Round	250 mL	45 mm	314.0250C
Round	500 mL	45 mm	314.0500C
Round	1000 mL	45 mm	314.1000C
Round	2000 mL	45 mm	314.2000C
Clear pyrex glass[1)], with connection neck ⑪			
Round	500 mL	32 mm	314.0500P
Polyethylene[2)] ⑫			
Square	250 mL	25 mm	315.0250
Square	500 mL	25 mm	315.0500
Square	1000 mL	32 mm	315.1000
Square	2500 mL	45 mm	315.2500

Dosys™

laboratory syringes

From the basic unit to the corrosion-resistant model, the laboratory dedicated syringe line offers precision instruments you can trust. Intended for safe and reliable liquid distribution, the selection of pistol-grip and two-ring instruments comes in a wide volume range. One-year warranty.

SHOCK SAFE

AUTOCLAVE AT 121°C

ERGONOMIC COMFORT

The Dosys™ syringes

Product advantages

- Optimal hand balance and ergonomics
- Fast and reliable volume setting
- Excellent reproducibility
- Plunger tightness without O-ring
- High chemical resistance
- Fully autoclavable at 121°C / 250°F



162
163
164

Two-ring handle

172
173
174

Pistol-grip handle





Simple, natural movements ①②

Both pistol-grip and two-ring handles fit any hand in a comfortable way. Activation performed with limited effort for efficient work even during long dispensing series.

Syringe stand

Stand holds syringe in ready-to-fetch position. Easy-to-clean polyamid material. Autoclavable (Cat. No. 320.170).







Volume selection - Reliable reproducibility ③

Volume is set within seconds. It will not vary while activating the syringe, thanks to the safety-locking nut on the micrometric screw. Dose-by-dose reproducibility (CV) is excellent, as witnessed by performance figures.

Plunger tightness without O-ring ④

Smooth plunger travel and tightness achieved through high-precision stainless steel plunger and ground glass barrel. No O-ring to mess with or replace.





Glass protection ⑤

Interchangeable glass barrel is protected by a PVC sleeve (not autoclavable) to prevent breakage.

Few parts assembly - Low maintenance ⑥

The automatic syringes are made of only six main parts, easy to disassemble. Fast access to all elements allows rapid and efficient cleaning. Spares are available at reasonable costs.

Dosys™ laboratory syringes - Unlimited applications



Dose-by-dose distribution



Repeat dispensing



Sterile work



Filter fits Luer Lock nozzle



Aspiration with reverse modus valve



Animal injection

Instrument description and ordering information

Enhanced corrosion resistance

Dosys™ *basic* syringes 162 / 172

- Fill-by-fill (automatic) through needle or cannula
- Supplied without valve system
- Luer Lock nozzle

Package includes syringe, PVC protection sleeve and operating instructions.

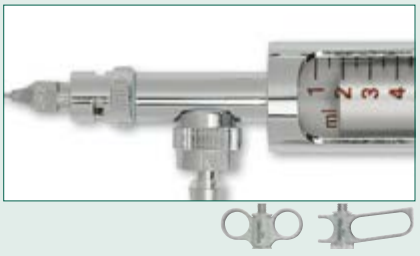


Volume	Division	Dosys 162 Cat. No.	Dosys 172 Cat. No.
0.1 - 1 mL	0.05 mL	162.0501	172.0501
0.3 - 2 mL	0.1 mL	162.0502	172.0502
0.5 - 5 mL	0.5 mL	162.0505	172.0505
1 - 10 mL	1.0 mL		172.0510

Dosys™ *classic* syringes 163 / 173

- Self-refilling automatic
- Integrated valve system
- Luer Lock nozzle

Package includes syringe, 1-meter long silicone feed tube, sinker, PVC protection sleeve, aspiration and vent cannulas, set of spares for valve, operating instructions.

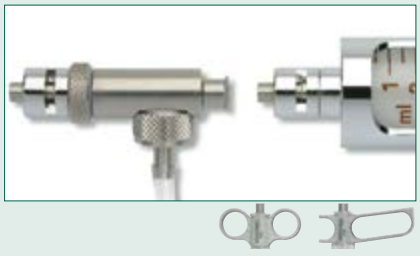


Volume	Division	Dosys 163 Cat. No.	Dosys 173 Cat. No.
0.025 - 0.3 mL	0.025 mL	163.05003	173.05003
0.1 - 0.5 mL	0.1 mL	163.05005	173.05005
0.1 - 1 mL	0.05 mL	163.0501	173.0501
0.3 - 2 mL	0.1 mL	163.0502	173.0502
0.5 - 5 mL	0.5 mL	163.0505	173.0505
1 - 10 mL	1.0 mL	163.0510	173.0510
5 - 20 mL	1.0 mL		173.0520

Dosys™ *premium* syringes 164 / 174

- Self-refilling automatic
- Detachable valve system
- Enhanced corrosion resistance
- Luer Lock nozzle

Package includes syringe, 1-meter long silicone feed tube, sinker, PVC protection sleeve, aspiration, vent and dosing cannulas, set of spares for valve, operating instructions.



Volume	Division	Dosys 164 Cat. No.	Dosys 174 Cat. No.
0.1 - 1 mL	0.05 mL	164.0501	174.0501
0.3 - 2 mL	0.1 mL	164.0502	174.0502
0.5 - 5 mL	0.5 mL	164.0505	174.0505
1 - 10 mL	1.0 mL	164.0510	174.0510

Performance all models

Volume	Imprecision (CV%)		
	Min. vol.	Mid. vol.	Max. vol.
0.025 - 0.3 mL	< 1.8 %[1)]	< 1.2 %	< 0.5 %
0.1 - 0.5 mL	< 1.2 %	< 0.9 %	< 0.4 %
0.1 - 1 mL	< 0.7 %	< 0.6 %	< 0.4 %
0.3 - 2 mL	< 0.6 %	< 0.5 %	< 0.4 %
0.5 - 5 mL	< 0.5 %	< 0.4 %	< 0.2 %
1 - 10 mL	< 0.5 %	< 0.4 %	< 0.2 %
5 - 20 mL	< 0.5 %	< 0.4 %	< 0.4 %

Tests performed with bidest. water, using stainless steel cannula (1.2 x 50 mm), at constant working speed. [1)] Measured at 0.075 mL

Liquid path materials (for chemical resistance)

Parts	*basic / classic* models	*premium* models
Feed tubing	Silicone	Silicone
Barrel	Glass AR-Glas®	Glass AR-Glas®
Washer, barrel	FPM	FPM
Plunger	Stainless steel DIN 430F	Stainless steel DIN 316L
Valve system	Ni-Cr Brass	Stainless steel DIN 316L
Washer, valve	PTFE	PTFE
Spring and balls, valve	Stainless steel, DIN 304	Stainless steel, DIN 304
Sinker, feed cannula	Ni-Cr Brass	Ni-Cr Brass

Accessories for self-refilling syringes





Alternative feed sources ①②

Optional vial holder conversion set and autoclavable reagent reservoirs for additional liquid feeding possibilities.

Description	Packaging	Cat. No.
Vial holder conversion set for 163 and 173 models (except 20 mL), without vial	1 / pk	1.187.1C
PP bottle, 60 mL	1 / pk	1.187.060*
PP bottle, 125 mL	1 / pk	1.187.150*
PP bottle, 250 mL	1 / pk	1.187.250*

*Use with Rotlauf inlet valve (Cat. No. 187.613) only, to be ordered separately.



Enhanced tightness set ③

The special clear glass barrel / X-ring fitted plunger enhance tightness when demanded by application (ex. filtration, aspiration, etc.).

Description	Packaging	Cat. No.
Set includes one each plunger, X-ring, 5 mL barrel and grease	1 / pk	1.170.205
Spare barrel for tightness set, 5 mL	6 / pk	0187.05T
Set includes one each plunger, X-ring, 10 mL barrel and grease	1 / pk	1.170.210
Spare barrel for tightness set, 10 mL	1 / pk	0187.10T

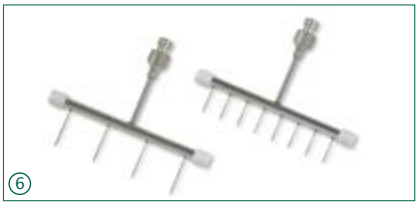




Aspiration valve ④⑤

Reverse modus valve set for liquid aspiration (ex. waste collection in separate container). Vented waste collector cap and enhanced tightness set recommended.

Description	Packaging	Cat. No.
Reverse modus aspiration valve unit for 164 / 174 models	1 / pk	1.170.952
Screw cap ø 45 mm, with tubing connection and filtered air outlet	1 / pk	1.170.945



Multiple dispensing manifolds ⑥

For convenient distribution in 24- and 96-well plates. Tight-fitting Luer and Luer Lock syringe nozzles. Stainless steel with PTFE stoppers, autoclavable.

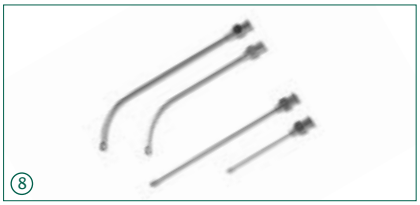
Description	Packaging	Cat. No.
4-channel manifold, 20 mm spacing	1 / pk	1.170.054
8-channel manifold, 9 mm spacing	1 / pk	1.170.058



Dispensing cannulas & needles ⑦

Luer Lock, stainless steel, autoclavable. Needles supplied 12 / pack.

Size (ø x L)	Packaging	Cat. No.
Lab cannulas, blunt end		
0.8 x 40 mm	12 / pk	370.0840
1.2 x 50 mm	1 / pk	370.1250
2.2 x 100 mm	1 / pk	370.22100
2.2 x 150 mm	1 / pk	370.22150
Superior quality needles, bevelled		
1.2 x 10 mm	1 / pk	371.1210UN
1.6 x 20 mm	1 / pk	371.1620UN
2.0 x 30 mm	1 / pk	371.2030UN
2.0 x 40 mm	1 / pk	371.2040UN



Drenchers ⑧

For safe animal mouth and nose feeding. Stainless steel, autoclavable.

Size (ø x L)	Packaging	Cat. No.
Drenchers, straight		
0.9 x 25 mm	3 / pk	376.0925S
1.2 x 51 mm	3 / pk	376.1251S
1.6 x 102 mm	2 / pk	376.16102S
3.0 x 203 mm	2 / pk	376.30203S
Drenchers, bent		
0.9 x 25 mm	3 / pk	376.0925B
1.2 x 51 mm	3 / pk	376.1251B
1.6 x 102 mm	2 / pk	376.16102B
3.0 x 203 mm	2 / pk	376.30203B

Injection needles, bevelled

ø x L, mm	Cat. No.	ø x L, mm	Cat. No.	ø x L, mm	Cat. No.	ø x L, mm	Cat. No.
0.7 x 13	371.0713	1.4 x 10	371.1410	1.0 x 20	371.1020	1.6 x 100	371.16100
0.8 x 10	371.0810	1.4 x 20	371.1420	1.0 x 30	371.1030	1.8 x 10	371.1810
0.8 x 25	371.0825	1.6 x 13	371.1613	1.0 x 40	371.1040	1.8 x 20	371.1820
0.8 x 30	371.0830	1.6 x 20	371.1620	1.2 x 10	371.1210	2.0 x 30	371.2030
0.8 x 40	371.0840	1.6 x 25	371.1625	1.2 x 20	371.1220	2.0 x 40	371.2040
1.0 x 10	371.1010	1.6 x 30	371.1630	1.2 x 50	371.1250	2.0 x 50	371.2050

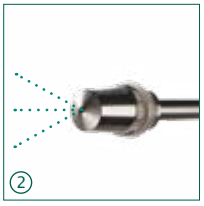
Additional sizes available



Anti-blocking factor (ABF™) ①

Premium non-oily, non-sticky, non-toxic, silicone-free lubricant. It reduces instrument wear and provides efficient metal protection.

Description	Packaging	Cat. No.
Lubricant spray 70 mL	1 / pk	1.170.705
	6 / pk	1.170.906
	12 / pk	1.170.912
Lubricant spray refill bottle, 500 mL	1 / pk	1.170.755
	6 / pk	1.170.956
	12 / pk	1.170.962



Cannula with sprayer nozzle ②

Usable in versatile applications where spraying and nebulizing liquids are required. Available in short (180 mm) and long (500 mm) sizes. Made of chrome plated brass, Luer Lock, autoclavable.

Size Ø x L, mm	Packaging	Cat. No.
3.0 x 180 mm	1 / pk	370.30180
3.0 x 500 mm	1 / pk	370.30500



Cleaning brushes ③

Heavy duty nylon brushes with tufted end and plastic handle for barrel cleaning.

Description	Packaging	Cat. No.
For 0.3, 0.5, 1 mL barrels	6 / pk	1.170.301
For 1, 2, 5 mL barrels	6 / pk	1.170.305
For 5, 10, 20 mL barrels	3 / pk	1.170.320
Set of 6 nylon brushes, 2 each	6 / pk	1.170.300

Spare parts for self-refilling syringes





Ground glass barrels ①

Description	Packaging	Cat. No.
Barrel, syringe 0.3 mL	6 / pk	0187.003
Barrel, syringe 0.5 mL	6 / pk	0187.005
Barrel, syringe 1 mL	6 / pk	0187.01
Barrel, syringe 2 mL	6 / pk	0187.02
Barrel, syringe 5 mL	6 / pk	0187.05
Barrel, syringe 10 mL	6 / pk	0187.10
Barrel, syringe 20 mL	3 / pk	0187.20

PVC protection sleeves ②

Description	Packaging	Cat. No.
Sleeve, 0.3, 0.5 mL barrels	6 / pk	1.170.4005
Sleeve, 1 mL barrels	6 / pk	1.170.401
Sleeve, 2 mL barrels	6 / pk	1.170.402
Sleeve, 5 mL barrels	6 / pk	1.170.405
Sleeve, 10 mL barrels	6 / pk	1.170.410
Sleeve, 20 mL barrels	3 / pk	1.170.420





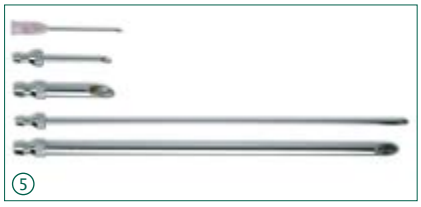
Spare bags ③

Description	Packaging	Cat. No.
Kit for valve, syringe 0.3 mL	1 bag	1.187.72003
Kit for valve, syringe 0.5 mL	1 bag	1.187.72005
Kit for valve, syringe 1 mL	1 bag	1.187.7201
Kit for valve, syringe 2 mL	1 bag	1.187.7202
Kit for valve, syringe 5 mL	1 bag	1.187.7205
Kit for valve, syringe 10 mL	1 bag	1.187.7210
Kit for valve, syringe 20 mL	1 bag	1.187.7220

Includes springs, balls, cleaning rod, washers for valve and barrel washer.

Feed tubing (medical quality silicone) ④

Description	Packaging	Cat. No.
Tube, syringes 0.3 to 10 mL, cut	1 m / pk	187.705
Tube, syringes 0.3 to 10 mL, cut	3x 1 m / pk	187.905
Tube, syringes 0.3 to 10 mL, cut	10 m / pk	187.910
Tube, syringes 0.3 to 10 mL, uncut	by the meter	187.710
Tube, syringe 20 mL, cut	1 m / pk	187.707



Vent and feed cannulas ⑤

Description	Packaging	Cat. No.
Short vent cannulas		
Plastic / SS, syringes 0.3 to 5 mL	1 / pk	187.933
Chrome plated, syringe 10 mL	1 / pk	187.591
Chrome plated, syringe 20 mL	1 / pk	187.593
Long feed cannulas		
Chrome plated, syringes 0.3 to 10 mL	1 / pk	187.592
Chrome plated, syringe 20 mL	1 / pk	187.594

Other spare parts

Refer to separate list for exhaustive selection.

all-glass syringes

The reusable borosilicate glass syringes offer superior chemical and heat shock resistance. A precious, low cost alternative to disposable plastic syringes in any applications involving liquids. Also suited for handling various oils, petroleum derivates, glues, dyes, perfumes, essential oils and organic chemicals (except HF acid).

The Dosys™ *all-glass* syringes

155

1 to 250 mL

Product advantages

- Precision-machined plunger and barrel
- Interchangeable parts
- Excellent fitting and liquid tightness (not gas tight)
- Permanent, high visibility graduations
- Instant disassembling and cleaning
- Autoclavable at 121°C / 250°F




①


②

Nozzle types

Two versions available with either glass Luer ① or metal Luer Lock nozzle ②.


③

Interchangeable parts ③

Barrel and plunger are precision machined and fully interchangeable.



④

Convenient packaging ④

Blister-style transparent rigid packaging offers optimal protection.

Large volume models perform excellently in dissolved gas analysis (DGA) of mineral oil in cooling system of power plant transformers.

Ordering information

Volume	Division	Packaging	Glass Luer nozzle Cat. No.	Metal Luer Lock nozzle Cat. No.
0.1 - 1 mL	0.05 mL	3 / pk	155.0301	155.0501
0.5 - 2 mL	0.1 mL	3 / pk		155.0502
0.2 - 5 mL	0.2 mL	3 / pk	155.0305	155.0505
1 - 10 mL	0.2 mL	3 / pk	155.0310	155.0510
1 - 20 mL	1 mL	2 / pk	155.0320	155.0520
1 - 30 mL	2 mL	2 / pk	155.0330	155.0530
1 - 50 mL	2 mL	1 / pk		155.0550
10 - 100 mL	10 mL	1 / pk	155.03100	155.05100
10 - 150 mL	10 mL	1 / pk		155.05150
10 - 200 mL	10 mL	1 / pk		155.05200
10 - 250 mL	10 mL	1 / pk		155.05250

See dispensing cannulas and needles page 31

Qualitix® sterilization pouches

Fitting any small to mid-size laboratory, medical, dental or veterinary device, the Qualitix® single use pouches provide easy and effective wrapping of items requiring sterilization. Made with robust medical grade paper, the pouches tightly close with self-sealing strip to maintain sterility. Content remains always visible through PET / CPP transparent laminated film.

AUTOCLAVE AT 121°C

CE

Ask for free samples



The Qualitix® sterilization pouches

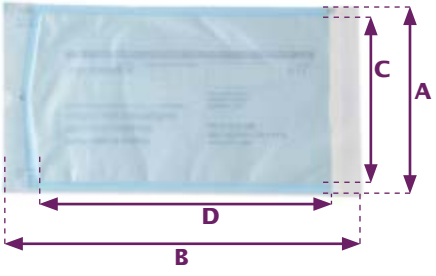
Product advantages

- Robust durable material
- Quick content identification
- Large self-sealing strip, easy to close
- Chevron top seal for easy opening
- Suitable for steam and EO gas sterilization
- Two sterilization indicators
- Five different sizes
- Conformity to ISO 17665, ISO 11135, CE









Self-sealing - quick opening ①

Simply peel off protection strip, fold and press with fingers. Pouch remains tightly sealed to maintain product sterility.

Sterilization indicators ②

Two chemical indicators included to confirm proper sterilization process. Blue indicator turns dark grey after autoclaving, red indicator turns to yellow after ethylene oxide (EO) gas sterilization.

Integrity control ③

Blue stained laminated film enables easy control of film/pouch integrity. Do not use a damaged pouch.

Ordering information

Description	Dimensions		Material	Packaging	Cat. No.
Pouch, self-sealing	83 x 160 mm	3.3" x 6.3"	Med. grade paper/PET/CPP	200 / pk	3210.0816
Pouch, self-sealing	90 x 260 mm	3.5" x 10.2"	Med. grade paper/PET/CPP	200 / pk	3210.0926
Pouch, self-sealing	135 x 260 mm	5.3" x 10.2"	Med. grade paper/PET/CPP	200 / pk	3210.1326
Pouch, self-sealing	190 x 360 mm	7.5" x 14.2"	Med. grade paper/PET/CPP	200 / pk	3210.1936
Pouch, self-sealing	300 x 395 mm	11.8" x 15.6"	Med. grade paper/PET/CPP	200 / pk	3210.3040

Dimensions

A (mm)	B (mm)	C (mm)	D (mm)
83	160	65	110
90	260	70	205
135	260	115	205
190	360	170	300
300	395	270	335

Qualitix®

premium micropipette tips

The new Qualitix® pipette tip programme is all about quality, flexibility and compatibility. An extended line for accurate liquid delivery, fitting not only Socorex but all major micropipette brands. Packaging selection (bags, racks and *tipfill*™ rack filling system), together with a choice of tip styles with and without protection filter, offer appreciated versatility.
Qualitix® and Socorex micropipettes are the most perfect match for optimized test results.



DNA-RNase-DNase-Pyrogen-free CERTIFIED

AUTOCLAVE AT 121°C

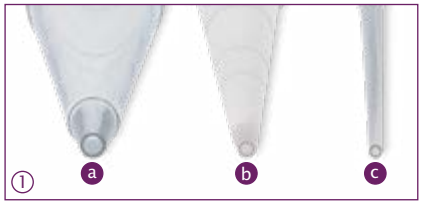
STERILIZED

Free samples available on request

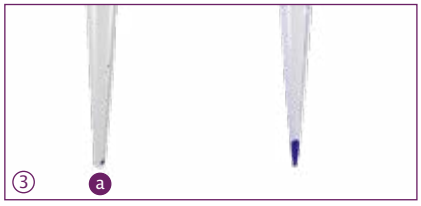
The Qualitix® pipette tips from 10 µL to 10 mL

Product advantages

- Wide selection, superior quality, autoclavable
- Bags, racks and *tipfill*™ rack filling system
- Lot by lot consistency
- Certified free of nuclease, endotoxin and ATP
- Reduced packaging size, less bench space requirement
- Broad compatibility with major micropipette brands







Beveled and fine pointed ①

Beveled tip end ⓐ greatly reduces sticking of liquid drops. Fine pointed tips ⓑ have a thin and soft end, enabling small liquid volume deposit, thus enhancing reproducibility in repeat pipetting. A long and soft end is typical for gel load tips ⓒ.

Aerosol protection - No contamination ②

Filter tips include a 10 µm pore hydrophobic HDPE filter to retain any contaminant, efficiently protecting both pipette and sample. Certified high tip purity and gamma irradiation.

Low retention - Maximal recovery ③

Low binding tips ⓐ are made of silicone-free resin, greatly reducing surface adhesion and providing maximal liquid recovery. Available in 10, 200 and 1000 µL capacities, in sterile and non-sterile racks. Also protease-free certified, they are best suited for proteomic research and accurate handling of viscous liquids.

bioproof™ level

The Qualitix® line is free of detectable DNase, RNase, Pyrogen (Endotoxins) and ATP.
Filter tips are additionally certified free of detectable human DNA and protease.

DNA-RNase-DNase-Pyrogen-free CERTIFIED

View certificate

SOCOREX SWISS

Rack filling system

The *tipfill*™ packs are intended for easy rack loading. A practical and economical solution for any laboratory, limiting work interruption to a minimum. Each 96-tip insert is instantly transferred into an empty rack without risk of contamination. The transfer cover keeps tips clean and prevents wobbling during refilling.





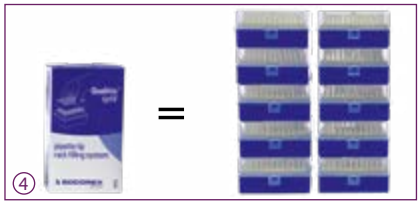
①



②



③



④

Packaging options ①②

Tips available in bags, hinged lid racks and *tipfill*™ rack filling system.

Environmental aspects ③

Packaging is optimized to ensure good protection while using minimal cardboard material.

Space reduction ④

The smart re-closable *tipfill*™ box uses far less space than corresponding amount of conventional racks and produces less plastic waste. This has a direct impact on storage requirement, shipping costs and environment.

Application guide

Tip style	Features	Benefits
Regular tips	Superior quality, optimal and universal pipette fitting.	Common use in daily pipetting with Socorex® and other pipette brands.
Filter tips	Same as above, includes 10 µm pore size hydrophobic HDPE protection filter.	Efficient protection for both pipette and sample against aerosol contamination.
Low binding tips	Special material provides for very low surface retention.	Accurate handling of thick, viscous liquids and protein / peptide samples.
Gel loading tips	Long, thin and soft tip end, universal fitting.	Precise sample distribution in confined area without damaging gel structure.
Extended tips	Long tip length, universal fitting.	Easy access into narrow, deep tubes while limiting contact with tube wall.

Ordering information - Qualitix® pipette tip selection

10 µL Tips	Size mm	Description			Packaging		Cat. No.
		Colour	Style	Sterile	Pack	Case	
	31.4	Natural	10 µL ultra-microtips, fine pointed, graduated, autoclavable		1000/bag	10 bags	3090.0010B
		Natural	10 µL ultra-microtips, fine pointed, graduated, autoclavable		12x 96/rack	10 packs	3090.0010R
tipfill		Natural	10 µL *tipfill*™ system incl. ultra-microtips, fine pointed, graduated		13x 96/pack	10 packs	3090.0010T
			Empty rack for 10/200 µL tips to be used with *tipfill*™ system, autoclavable		10/pack	10 packs	3070.0210ER
		Natural	10 µL ultra-microtips, fine pointed, graduated, autoclavable	✓	12x 96/rack	10 packs	3090.0010RS
	38.1	Natural	10 µL extended microtips, fine pointed, autoclavable		1000/bag	10 bags	3020.0010B
		Natural	10 µL extended microtips, fine pointed, autoclavable		10x 96/rack	10 packs	3020.0010R
	71.0	Natural	10 µL capillary tips for gel loading, autoclavable		4x 204/rack	N/A	302.0010GR

10 µL Filter Tips	Size mm	Description			Packaging		Cat. No.
		Colour	Style	Sterile	Pack	Case	
	31.4	Natural	10 µL ultra-microtips, fine pointed, graduated	✓	12x 96/rack	10 packs	3090.0010FRS
	38.1	Natural	10 µL extended microtips, fine pointed	✓	10x 96/rack	10 packs	3020.0010FRS

10 µL Low Protein Binding Tips	Size mm	Description			Packaging		Cat. No.
		Colour	Style	Sterile	Pack	Case	
	31.4	Natural	10 µL ultra-microtips, low binding, fine pointed, autoclavable		12x 96/rack	10 packs	3090.0010PR
		Natural	10 µL ultra-microtips, low binding, fine pointed, autoclavable	✓	12x 96/rack	10 packs	3090.0010PRS
	38.1	Natural	10 µL ultra-microtips, low binding, fine pointed, autoclavable		10x 96/rack	10 packs	3020.0010PR
		Natural	10 µL ultra-microtips, low binding, fine pointed, autoclavable	✓	10x 96/rack	10 packs	3020.0010PRS

20 - 100 µL Filter Tips	Size mm	Description			Packaging		Cat. No.
		Colour	Style	Sterile	Pack	Case	
	49.6	Natural	20 µL filter tips, bevel point	✓	10x 96/rack	10 packs	3080.0020FRS
	49.6	Natural	100 µL filter tips, bevel point	✓	10x 96/rack	10 packs	3080.0100FRS

200 µL Tips	Size mm	Description			Packaging		Cat. No.
		Colour	Style	Sterile	Pack	Case	
	49.6	Natural	200 µL universal tips, bevel point, graduated, autoclavable		1000/bag	10 bags	3070.0200B
		Natural	200 µL universal tips, bevel point, graduated, autoclavable		10x 96/rack	10 packs	3070.0200R
tipfill		Natural	200 µL *tipfill*™ system incl. universal tips, bevel point, graduated		10x 96/pack	10 packs	3070.0200T
			Empty rack for 10/200 µL tips to be used with *tipfill*™ system, autoclavable		10/pack	10 packs	3070.0210ER
		Natural	200 µL universal tips, bevel point, graduated, autoclavable	✓	10x 96/rack	10 packs	3070.0200RS
	49.6	Yellow	200 µL regular tips, bevel point, autoclavable		1000/bag	10 bags	3290.0200B
		Yellow	200 µL regular tips, bevel point, autoclavable		10x 96/rack	10 packs	3290.0200R
		Yellow	200 µL regular tips, bevel point, autoclavable	✓	10x 96/rack	10 packs	3290.0200RS
	49.0	Yellow	200 µL short neck tips for Calibra® pipettes, autoclavable		2x 500/bag	N/A	328.0200B
		Yellow	200 µL short neck tips for Calibra® pipettes, autoclavable		10x 96/rack	N/A	328.0200R
	82.5	Natural	200 µL capillary tips for gel loading, autoclavable		6x 96/rack	8 packs	3080.0200GR

200 µL Filter Tips	Size mm	Description			Packaging		Cat. No.
		Colour	Style	Sterile	Pack	Case	
	51.2	Natural	200 µL universal tips, bevel point	✓	10x 96/rack	10 packs	3070.0200FRS
	83.8	Natural	200 µL extended tips, fine pointed	✓	6x 96/rack	8 packs	3080.0200LFRS

200 µL Low Protein Binding Tips	Size mm	Description			Packaging		Cat. No.
		Colour	Style	Sterile	Pack	Case	
	49.6	Natural	200 µL universal tips, low binding, graduated, autoclavable		10x 96/rack	10 packs	3070.0200PR
		Natural	200 µL universal tips, low binding, graduated, autoclavable	✓	10x 96/rack	10 packs	3070.0200PRS

350 µL Tips	Size mm	Description			Packaging		Cat. No.
		Colour	Style	Sterile	Pack	Case	
	58.8	Natural	350 µL tips, autoclavable		1000/bag	N/A	308.0350B
		Natural	350 µL tips, autoclavable		10x 96/rack	N/A	308.0350R

300 µL Filter Tips	Size mm	Description			Packaging		Cat. No.
		Colour	Style	Sterile	Pack	Case	
	58.8	Natural	300 µL tips	✓	10x 96/rack	N/A	308.0300FR

1000 µL Tips	Size mm	Description			Packaging		Cat. No.
		Colour	Style	Sterile	Pack	Case	
	88.9	Natural	1000 µL universal tips, fine pointed, autoclavable		1000/bag	10 bags	3070.1000B
		Natural	1000 µL universal tips, fine pointed, autoclavable		6x 96/rack	8 packs	3070.1000R
tipfill		Natural	1000 µL *tipfill*™ system incl. universal tips, fine pointed		5x 96/rack	10 packs	3070.1000T
tipfill			Empty rack for 1000 µL tips to be used with *tipfill*™ system, autoclavable		6/pack	8 packs	3070.1000ER
		Natural	1000 µL universal tips, fine pointed, autoclavable	✓	6x 96/rack	8 packs	3070.1000RS
	75.9	Blue	1000 µL regular tips, bevel point, autoclavable		1000/bag	10 bags	3190.1000B
		Blue	1000 µL regular tips, bevel point, autoclavable		6x 96/rack	8 packs	3190.1000R
		Blue	1000 µL regular tips, bevel point, autoclavable	✓	6x 96/rack	8 packs	3190.1000RS
	75.9	Natural	1000 µL regular tips, bevel point, graduated, autoclavable		1000/bag	10 bags	3090.1000B
		Natural	1000 µL regular tips, bevel point, graduated, autoclavable		6x 96/rack	8 packs	3090.1000R
	72.0	Blue	1000 µL regular tips, autoclavable		4x 250/bag	N/A	319.1000B
		Blue	1000 µL regular tips, autoclavable		8x 60/rack	N/A	319.1000R

1000 µL Filter Tips	Size mm	Description			Packaging		Cat. No.
		Colour	Style	Sterile	Pack	Case	
	88.9	Natural	1000 µL universal tips, fine pointed	✓	6x 96/rack	8 packs	3070.1000FRS

1000 µL Low Protein Binding Tips	Size mm	Description			Packaging		Cat. No.
		Colour	Style	Sterile	Pack	Case	
	88.9	Natural	1000 µL universal tips, low binding, fine pointed, autoclavable		6x 96/rack	8 packs	3070.1000PR
		Natural	10 µL ultra-microtips, fine pointed, autoclavable	✓	6x 96/rack	8 packs	3070.1000PRS

2, 5, 10 mL Macrotips	Size mm	Description			Packaging		Cat. No.
		Colour	Style	Sterile	Pack	Case	
	115.5	Natural	2 mL macrotips, autoclavable		2x 250/bag	N/A	312.02
	123.2	Natural	5 mL macrotips, graduated, autoclavable		2x 250/bag	N/A	312.05B
		Natural	5 mL macrotips, graduated, autoclavable		2x 50/rack	N/A	312.05R
	150.0	Natural	10 mL macrotips, autoclavable		3x 100/bag	N/A	312.10
		Natural	Empty rack for 24x 10 ml macrotips, autoclavable		4/pack	N/A	312.10ER

B = bag, E = empty, F = filter, G = gel, L = long, P = low binding, R = rack, S = sterile, T = *tipfill*™ refill system

Socorex® compatibility chart

Chart indicates optimal combination of Qualitix® and Socorex® pipettes.

		Acura® *manual* and Acura® *electro*																	Calibra® *digital*								
		815					825/826/926									835/936			855/956					822				832		852		
		Up to 10 µL	10 y/15/20 µL	25 to 100 µL	120 to 200 µL	250 to 1000 µL	0.1 - 2 µL	0.5 - 10 µL	1 - 10 µL (Y)	2 - 20 µL	5 - 50 µL	10 - 100 µL	20 - 200 µL	100 - 1000 µL	0.2 - 2 mL	0.5 - 5 mL	1 - 10 mL	0.5 - 10 µL	5 - 50 µL	10 - 100 µL	20 - 200 µL	40 - 350 µL	2 - 20 µL	10 - 100 µL	20 - 200 µL	100 - 1000 µL	0.2 - 2 mL	1 - 10 mL	1 - 10 µL	10 - 100 µL	20 - 200 µL
10 µL Microtips	**Tip ref.**																													
	3090	●					●	●										●										●		
	3020	●					●	●																						
	302	●[2]						●[2]																						
	3090	●					●	●										●										●		
	3020	●					●	●																						
20 - 100 µL Microtips	**Tip ref.**																													
	3080		●						●	●	●[1]																			
	3080			●							●	●	●[1]																	
200 µL Microtips	**Tip ref.**																													
	3070		●	●	●				●	●	●	●	●						●	●	●									
	3290		●	●	●				●	●	●	●	●						●	●	●									
	328																						●	●	●				●	●
	3080				●					●	●	●	●																	
	3070			●	●								●								●									
	3080				●								●																	
300 - 350 µL Microtips	**Tip ref.**																													
	308				●							●	●									●		●						●
	308				●								●									●[1]			●					●
1000 µL Microtips	**Tip ref.**																													
	3070					●								●																
	3190					●								●																
	3090					●								●																
	319					●								●											●					
	3070					●								●																
2, 5, 10 mL Macrotips	**Tip ref.**																													
	312														●											●				
	312															●														
	312																●										●			

[1] Up to max. tip volume

[2] For volumes > 2 µL

Other brands compatibility chart

Brand Such as models: Transferpette S, Electro					Eppendorf Such as models: Research Plus/Pro					Gilson Such as models: Pipetman, Classic, G, L					Rainin Such as models: Pipetlite SL, EDP3 Plus					Sartorius Such as models: Proline Plus, Tacta, Picus					Thermo Such as models: Digital, F1, F2, F3, Novus					HTL, Labnet, Corning Such as models: Discovery, BioPette				
2.5, 10 µL	20, 50, 100, 200 µL	250, 300 µL	1000 (1200) µL	2, 5, 10 mL	2, 10 µL	20, 50, 100, 200 µL	300 µL	1000 µL	5, 10 mL	2, 10 µL	20, 50, 100, 200 µL	250, 300 µL	1000 µL	2, 5, 10 mL	2, 10 µL	20, 100, 200 µL	300 µL	1000 µL	5, 10 mL	2, 10 µL	20, 50, 100, 200 µL	250, 300, 350 µL	1000 (1200) µL	2, 5, 10 mL	2, 10 µL	20,30,50,100,200 µL	300 µL	1000 µL	2, 5, 10 mL	2, 10 µL	20,50,100,200 µL	300 µL	1000 µL	5, 10 mL
●					●					●					●					●					●					●				
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[1] Up to maximal tip volume

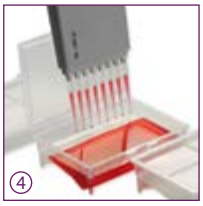
Brand names belong to their respective owners.

reagent reservoirs













V-shape reservoirs, 75 mL ①
Re-usable and autoclavable polypropylene. Embossed graduations guarantee long lasting legibility ②. Round corners enable convenient reagent pouring ③. Bottom shape ensures bench stability. Bring maximal flexibility for routine work with single and multichannel pipettes.

AUTOCLAVE AT 121°C

V-shape reservoirs, with lid, 125 mL ④
Re-usable and autoclavable polypropylene. Hinged lid closure ⑤. Microplate format guarantees excellent stability. Stackable for space saving storage ⑥. V-shape bottom enables aspiration until last reagent drops. Suited for single and multichannel pipetting.

AUTOCLAVE AT 121°C

Ordering information - V-shape reservoirs

Description	Dimensions	Volume	Colour	Style	Lid	Material	Sterile	Packaging	Cat. No.
Reservoir	58 x 132 x 25 mm	75 mL	Natural	V-shaped	No	PP	No	20 / pk	330.01
Reservoir	83 x 121 x 34 mm	125 mL	Natural	V-shaped	Yes, hinged	PP	No	20 / pk	330.01L









Multichannel reservoirs, non-sterile, 48 mL ⑦⑧
8- and 12-channel polystyrene reservoirs. Each channel with round bottom ⑨. Total capacity 48 mL. Good bench stability. Microplate format enables use with automated, robotic pipetting devices and multichannel pipettes.

Multichannel reservoirs, sterilized, 48 mL ⑩
Single wrapped 8- and 12-channel polystyrene reservoirs to be used in clean environment. Sterilized by X-ray radiation. Each channel with round bottom ⑨. Total capacity 48 mL. Good bench stability. Lot number facilitates traceability.

STERILIZED

Ordering information - Multichannel reservoirs

Description	Dimensions	Volume	Colour	Style	Lid	Material	Sterilized	Packaging	Cat. No.
Reservoir	83 x 126 x 13 mm	8x 6 mL	White	8-channel	No	PS	no	30 / pk	330.08
Reservoir	83 x 126 x 13 mm	8x 6 mL	White	8-channel	No	PS	no	100 / pk	330.08XL
Reservoir	83 x 126 x 13 mm	8x 6 mL	White	8-channel	No	PS	yes	10x 1 / pk	330.08.9
Reservoir	83 x 126 x 13 mm	12x 4 mL	White	12-channel	No	PS	no	30 / pk	330.12
Reservoir	83 x 126 x 13 mm	12x 4 mL	White	12-channel	No	PS	no	100 / pk	330.12XL
Reservoir	83 x 126 x 13 mm	12x 4 mL	White	12-channel	No	PS	yes	10x 1 / pk	330.12.9

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® *manual* 835, 2 mL Acura® *electro* 936, 2 mL Calibra® *digital* 832, 2 mL	1 / pk	1.835.631
Acura® *manual* 835, 5 mL Acura® *electro* 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

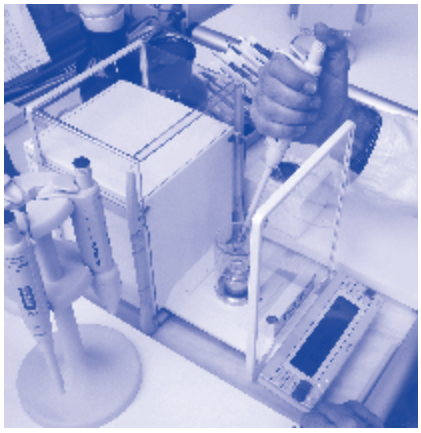
Protection against liquid overflow or aerosol contamination. Filters are interchangeable, non-sterile, non autoclavable.

Ordering information - Straw tips and nozzle filters

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

service programme

Socorex instruments are built to last. In order to guarantee trouble-free usage over time, a minimum maintenance and regular calibration are strongly recommended.
From check-up or basic repair to GLP requirements, the Socorex Service Center - in its ultra-modern facilities - provides fast and reliable service and calibration, based on a longterm experience in manufacturing precision liquid handling instruments.



Advantages

- Know-how and high competence
- All brand service for pipettes and dispensers
- Broad service programme
- Reference measurement procedure: ISO 8655
- SAS accredited calibration laboratory according to ISO 17025



Adjustments and calibrations

Whatever maintenance level needed for micropipettes and dispensers, Socorex has the appropriate answer, including customised service plans when required.

Efficient handling

The lead time for instruments received at Socorex is three to five working days, or 48 hours using our “Express service”.

Service Center on the web

For more details about our service programme, check: www.socorex.com



Personalised technical support

Highly qualified staff with a broad product knowledge is at disposal for all technical matters. The team also provides professional answers and solutions about handling, maintenance and control procedures.

SCS accredited laboratory

Accredited by SAS (Swiss Accreditation Services), the Socorex control laboratory performs calibrations in full compliance with ISO 17025 and delivers certificates recognized internationally by ILAC members.

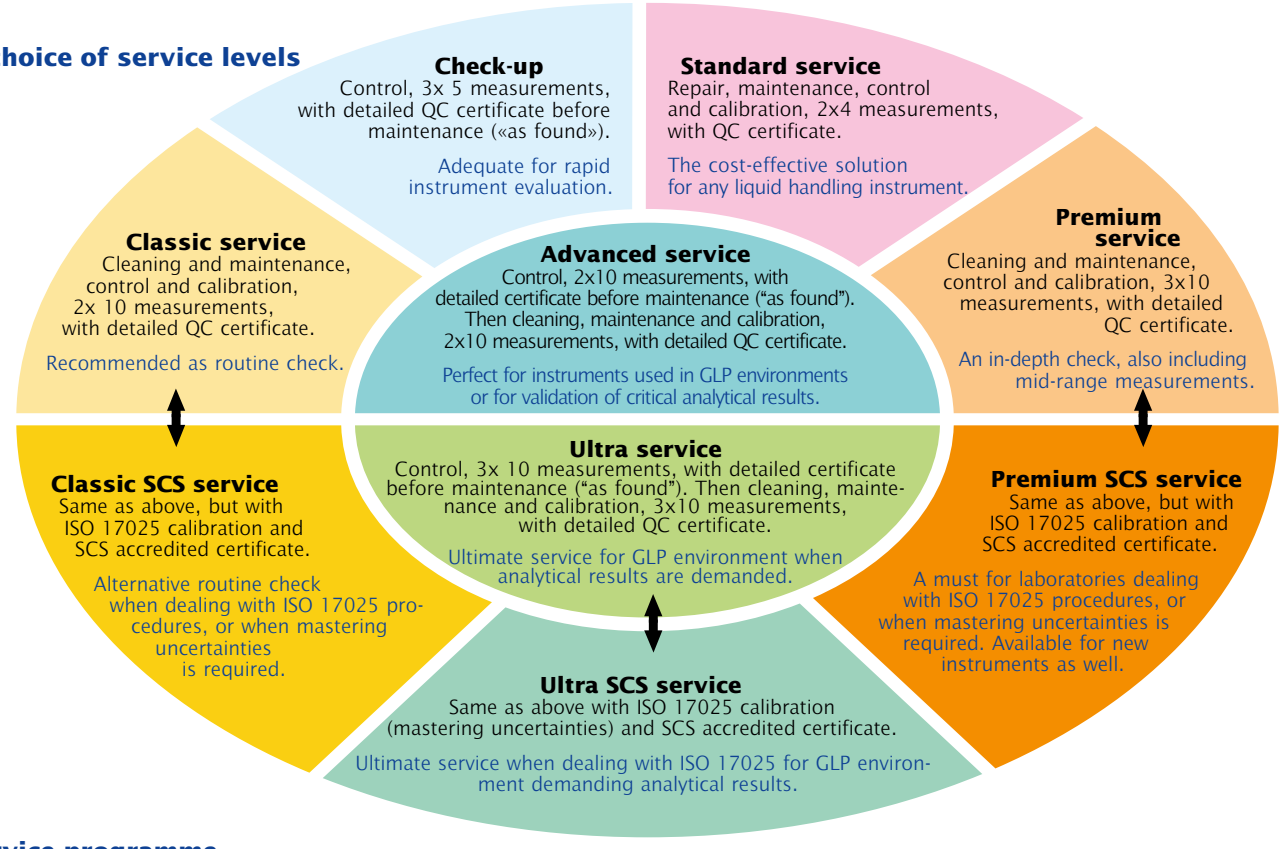
Accredited calibration laboratory ISO / IEC 17025

Examples of ILAC members from signatory countries

Country	Organisation
Australia	NATA
Austria	Akkreditierung
Belgium	BELAC
Brazil	CGCRE
Canada	SCC-CLAS
China	CNAS
China HK	HKAS
Czech Republic	CAI
Denmark	DANAK
Finland	FINAS
France	COFRAC
Germany	DAkkS
Hungary	NAH
India	NABL
Indonesia	KAN
Ireland	INAB
Italy	ACCREDIA
Japan	IA-JAPAN
Netherlands	RvA
Norway	NA
Poland	PCA
Portugal	IPAC
Slovenia	SA
South Africa	SANAS
South Korea	KOLAS
Spain	ENAC
Sweden	SWEDAC
Switzerland	SAS
Taiwan	TAF
Turkey	TURKAK
United Kingdom	UKAS
USA	NVLAP

Complete list and details under www.ILAC.org

A choice of service levels



Service programme

Procedures \ Service levels		Maintenance and control per ISO 8655						Accredited calibration per ISO 17025			
		Check-up	Standard	Classic	Premium	Advanced	Ultra	Classic SCS	Premium SCS	Ultra SCS	New instruments
Instrument registration		•	•	•	•	•	•	•	•	•	Accredited certificate to be ordered with instrument
Gravimetric test before maintenance ("as found")	Min. vol.	5 x				10 x	10 x			10 x	
	Mid. vol.	5 x [3]					10 x [3]			10 x [3]	
	Max. vol.	5 x				10 x	10 x			10 x	
Decontamination [1], disinfection, disassembling, cleaning			•	•	•	•	•	•	•	•	
Instrument check-up		•	•	•	•	•	•	•	•	•	
X-ring replacement as needed			•	•	•	•	•	•	•	•	
Other faulty parts replacement as needed			•	•	•	•	•	•	•	•	
Function and tightness check		•	•	•	•	•	•	•	•	•	
Gravimetric test after maintenance per ISO 8655	Min. vol.		4 x [2]	10 x	10 x	10 x	10 x				
	Mid. vol.		-	-	10 x [3]	-	10 x [3]				
	Max. vol.		4 x [2]	10 x	10 x	10 x	10 x				
Gravimetric test after maintenance per ISO 17025	Min. vol.							10 x	10 x	10 x	10 x
	Mid. vol.							-	10 x [3]	10 x [3]	10 x [3]
	Max. vol.							10 x	10 x	10 x	10 x
Final check and visa		•	•	•	•	•	•	•	•	•	•
QC certificate before maintenance ("as found")		•				•	•			•	
QC certificate after calibration ("as left")			•	•	•	•	•	•	•	•	•
Accredited calibration certificate per ISO 17025								•	•	•	•

[1] On request

[2] Five measurements, multichannel below 50µL

[3] When applicable

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Patents and marks

Socorex® Instruments	US Patents
Acura® models 810, 815, 825, 826XS, 835, 835F, 855, 865	7,204,163 B2
Acura® models 810, 815, 825, 826 XS, 835, 835F, 855, 926XS, 936, 956	6,833,114 B1
Acura® models 826XS.0200, 826XS.1000	8,900,526 B2
Acura® models 926XS.0200, 926XS.1000	
Calibrex™ models 525, 530	9,884,334 B2

Brand and trade names

Socorex®	Calibra®	ABF™	Calibrex™	Jet-Pen™	Stepper™
Isba®	Qualitix®	Acurex™	Dosys™	Justip™	
Acura®		*bioproof*™	Ecostep™	Profiller™	

Other brand names contained in this catalogue belong to their respective owners.

Important information

Refer to package inserts for safety precautions, operating instructions and warranty terms.

User must pay special attention to possible hand fatigue during serial pipetting and its medical consequences such as repetitive strain injuries (RSI).

Mind risks involved in handling hazardous liquids with respect to personal, third party and environmental protection and safety.

Products and specifications are subject to change without prior notice.

Notes



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