

Acura® manual

your expectations — our tradition

digital reading micropipettes



Acura® Manual 手動微量分注吸
管，全新的設計，以使用者好拿
好握、易讀、輕巧之需求開發設
計，並擁有許多特點與專利，使
其更容易於實驗上操作。

- 人體工學設計，可長時間使用
- Justip® 專利，適用各廠牌 Tip
- 大視窗設計，刻度易讀、易調整
- 有 14 種顏色頂蓋方便分類管理
- 免拆整支可滅菌 121°C、抗 UV
- 每支均附 ISO 校正報告



The Acura® manual models

815
fixed

825
micro

835
macro

855
multi

 **SOCOREX**
SWISS



友和貿易股份有限公司
UNI-ONWARD Corp.

Acura® manual

your expectations — our tradition



► Most comfortable pipetting

專利的人體工學外形設計，超輕的重量 (88g, 92g)，超輕活塞滑行的推動力，保證使用者的舒適省力，真正體驗 SOCOREX 專有的人體工學舒適設計。



► Smart and reliable volume adjustment

創新的體積調整裝置，只需要輕鬆旋鈕，就可以準確設定體積，且系統附有鎖死裝置，於操作過程中不會產生體積變化。

► Digital display always visible at a glance

大數字刻度視窗，簡而易見，讓您於使用時可一直見到目前的吸取量。不同規格的 Acura® Pipette 具有不同的數字視窗顏色，提示使用者選用不同規格的 Tip。



► Tip ejection — easier than ever

大面積且柔軟舒適的材質，讓您輕易的剔除 Tip，Justip® 專利設計不限任何廠牌的 Tip，皆可輕易使用。



Engineered ergonomics and design

我們把人體工學設計的概念與高科技材料，結合起來，並研究日常的使用中，那些因素是使用者所在乎的，SOCOREX 工程師克服了種種的困難，為您建造設計了 Acura® 系統，精密微量吸取管，它的設計感、精確度、耐用堅固、輕巧便利，將使您喜愛上 Acura®。

815
fixed

825
micro



1 μ L to 10 mL

0.1 — 2 μ L
0.5 — 10 μ L

1 — 10 μ L
2 — 20 μ L
5 — 50 μ L

Acura® 815

Fixed volume — unlimited

對於部份不需經常調整液體體積的用戶，SOCORER 提供了更經濟的選擇，Acura® 815/835F 系列固定式微量吸管共 34 種規格，並擁有新一代 Acura® 的所有優點，如準確、輕巧、操作舒適，可整支滅菌及三年保固。

Performance

Volume μ L	Inaccuracy (E %)	Imprecision (CV %)	Volume μ L	Inaccuracy (E %)	Imprecision (CV %)
1	<± 2.0 %	< 1.0 %	250	<± 0.7 %	< 0.4 %
5	<± 1.4 %	< 1.0 %	300	<± 0.7 %	< 0.4 %
10	<± 0.7 %	< 0.7 %	400	<± 0.7 %	< 0.3 %
10Y	<± 0.7 %	< 0.8 %	500	<± 0.7 %	< 0.3 %
15	<± 0.7 %	< 0.5 %	600	<± 0.7 %	< 0.3 %
20	<± 0.75 %	< 0.5 %	700	<± 0.7 %	< 0.2 %
25	<± 0.7 %	< 0.6 %	750	<± 0.7 %	< 0.2 %
30	<± 0.7 %	< 0.6 %	800	<± 0.7 %	< 0.2 %
32	<± 0.7 %	< 0.6 %	900	<± 0.7 %	< 0.2 %
40	<± 0.7 %	< 0.5 %	1000	<± 0.6 %	< 0.2 %
50	<± 0.7 %	< 0.4 %			
60	<± 0.7 %	< 0.5 %			
70	<± 0.7 %	< 0.4 %			
75	<± 0.7 %	< 0.4 %			
80	<± 0.7 %	< 0.35 %			
90	<± 0.7 %	< 0.3 %			
100	<± 0.7 %	< 0.3 %			
120	<± 0.7 %	< 0.4 %			
150	<± 0.7 %	< 0.3 %			
200	<± 0.7 %	< 0.3 %			

Volume mL	Inaccuracy (E %)	Imprecision (CV %)
2	<± 0.8 %	< 0.5 %
2.5	<± 0.8 %	< 0.5 %
5	<± 0.7 %	< 0.4 %
10	<± 0.5 %	< 0.2 %



Workstation 337

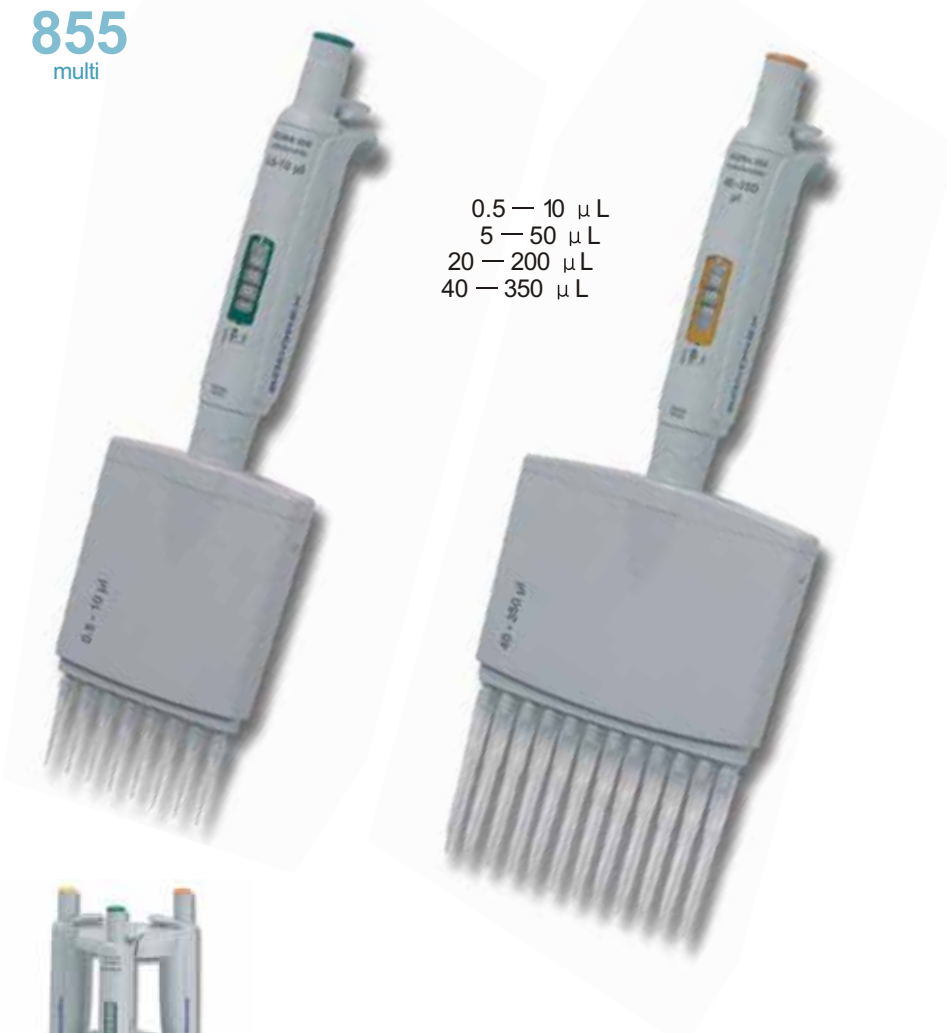
Stable, sturdy universal pipette workstation 337 for 7 micropipettes of most brands. Available in five attractive colours.



Acura® 855 Multichannel micropipettes

Acura® 855 系統多爪可調式微量吸管與其它 SOCOREX 微量吸管，一樣的可靠耐用，擁有 Acura® 單爪微量吸管所有的特點，有 8 爪 12 爪兩個系列，其操作的範圍含蓋了所有常規的應用範圍，流線型設計、重量輕巧、操作簡單舒適，大型數字視窗醒目易讀，吸管頭可 360° 轉動，以適應不同使用者工作的位置與習慣，並可整支不需拆解 Autoclavable 滅菌 (121°C, 20 min)。

855
multi



0.5 — 10 µL
5 — 50 µL
20 — 200 µL
40 — 350 µL



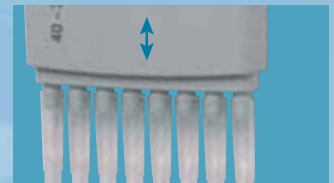
► Optimal working position

最新的人體工學設計可 360° 旋轉，依您的需要調整至最佳工作角度。



► Adjustable tip ejector

Justip® 專利設計任何廠牌 Tip 皆可輕易使用。



► All purpose reservoirs

Well adapted for multichannel pipettes, the reagent reservoirs offer various shapes in different configurations at economical cost.

Performance

Volume	Inaccuracy (E%)			Imprecision (CV%)		
	Min. vol.	Mid. vol.	Max. vol.	Min. vol.	Mid. vol.	Max. vol.
0.5 - 10 µL	<± 3.5 % ¹⁾	<± 2.5 % ¹⁾	<± 1.5 %	< 3.0 %	< 2.0 %	< 1.0 %
5 - 50 µL	<± 1.0 %	<± 0.9 %	<± 0.8 %	< 1.0 %	< 0.7 %	< 0.4 %
20 - 200 µL	<± 0.9 %	<± 0.8 %	<± 0.7 %	< 0.6 %	< 0.5 %	< 0.3 %
40 - 350 µL	<± 1.0 %	<± 0.9 %	<± 0.8 %	< 0.6 %	< 0.5 %	< 0.3 %

¹⁾ At 1.0 µL. Indicative data at 0.5 µL: E < ± 5 %, CV < 3 %

Workstation 340

Convenient workstation for 3 Calibra® or Acura®, multi- or single-channel pipettes.

















SOCOREX
SWISS



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UNI-ONWARD Corp.

Qualitips® without filter

These superior pipette tips cover a range between 0.1 µL and 10 mL. All models autoclavable. Optimal tightness fitting on Socorex pipettes and broad compatibility with other brands.

Description	Volume	Racks	Cat. No.	Bags	Cat. No.	
Natural ultra-microtip	10 µL	10 x 96/rack	309.0010R	1 x 1000/bag	309.0010B	
Natural gel loading tip	10 µL	4 x 204/rack	302.0010GR			
Natural microtip	10 µL	10 x 96/rack	302.0020R	1 x 1000/bag	302.0020B	
Natural universal tip	200 µL	10 x 96/rack	307.0200R	2 x 500/bag	307.0200B	
Yellow universal tip	200 µL	10 x 96/rack	327.0200R	2 x 500/bag	327.0200B	
Natural tip	200 µL	10 x 96/rack	308.0200R	1 x 1000/bag	308.0200B	
Natural gel loading tip	200 µL	4 x 204/rack	308.0200GR			
Natural tip	200 µL	10 x 96/rack	309.0200R	2 x 500/bag	309.0200B	
Yellow tip	200 µL	10 x 96/rack	329.0200R	2 x 500/bag	329.0200B	
Natural tip	350 µL	10 x 96/rack	308.0350R	1 x 1000/bag	308.0350B	
Natural universal tip	1000 µL	10 x 60/rack	307.1000R	4 x 250/bag	307.1000B	
Blue tip	1000 µL	10 x 60/rack	318.1000R	4 x 250/bag	318.1000B	
Natural tip	1000 µL	10 x 60/rack	309.1000R	4 x 250/bag	309.1000B	
Blue tip	1000 µL	10 x 60/rack	319.1000R	4 x 250/bag	319.1000B	
Natural macrotip	2 mL			2 x 250/bag	312.02	
Natural macrotip	5 mL	2 x 50/rack	312.05R	2 x 250/bag	312.05B	
Natural macrotip	10 mL	4 x rack alone	312.10ER	3 x 100/bag	312.10	

Qualitips® with filter

Efficient protection against aerosols. Include high-density PE filter for complete uncontaminated sample retrieval. Certified DNase and RNase free. Sterile tips are guaranteed pyrogenfree.

Description	Volume	Racks	Cat. No.	Bags	Cat. No.	
Sterile ultra-microtip	10 µL	10 x 96/rack	309.0010FR			
Sterile microtip	10 µL	10 x 100/rack	302.0010FR			
Autoclavable microtip	10 µL	10 x 100/rack	302.0010AFR	1 x 1000/bag	302.0010AFB	
Sterile tip	20 µL	10 x 96/rack	308.0020FR	5 x 100/bag	308.0020FS	
Sterile gel loading tip	20 µL	4 x 204/rack	308.0020GFR			
Sterile tip	100 µL	10 x 96/rack	308.0100FR			
Sterile gel loading tip	100 µL	4 x 204/rack	308.0100GFR			
Sterile extended tip	200 µL	4 x 204/rack	308.0200LFR	5 x 100/bag	308.0200LFS	
Sterile tip	300 µL	10 x 96/rack	308.0300FR			
Autoclavable tip	300 µL			1 x 1000/bag	308.0300AFB	
Sterile tip	1000 µL	10 x 100/rack	309.1000FR	5 x 100/bag	309.1000FS	
Autoclavable tip	1000 µL			1 x 1000/bag	309.1000AFB	

B = bag, F = filter, G = gel loading, L = long, R = rack, S = single wrapped, A = autoclavable

Acura® 825/835

835 macro



10 – 100 μ L
20 – 200 μ L

100 – 1000 μ L

0.2 – 2 mL
0.5 – 5 mL

1 – 10 mL



Workstation 340

Convenient workstation for 3 CalibraR or Acura® multi- or single-channel pipettes.

Performance

Volume	Inaccuracy (E%)			Imprecision (CV%)		
	Min. vol.	Mid. vol.	Max. vol.	Min. vol.	Mid. vol.	Max. vol.
Micropipettes						
0.1 – 2 μ L	<± 6.0 % ¹⁾	<± 4.0 %	<± 2.0 %	<5.0 % ¹⁾	<3.3 %	<1.5 %
0.5 – 10 μ L	<± 2.5 % ²⁾	<± 1.8 %	<± 1.0 %	<1.8 % ²⁾	<1.2 %	<0.5 %
1 – 10 μ L ³⁾	<± 2.5 %	<± 1.8 %	<± 1.0 %	<2.5 %	<1.6 %	<0.7 %
2 – 20 μ L	<± 2.5 %	<± 1.8 %	<± 1.0 %	<1.7 %	<1.1 %	<0.5 %
5 – 50 μ L	<± 1.5 %	<± 1.3 %	<± 1.0 %	<1.0 %	<0.7 %	<0.4 %
10 – 100 μ L	<± 1.5 %	<± 1.2 %	<± 0.8 %	<1.0 %	<0.6 %	<0.2 %
20 – 200 μ L	<± 1.5 %	<± 1.1 %	<± 0.6 %	<0.6 %	<0.4 %	<0.2 %
100 – 1000 μ L	<± 1.5 %	<± 1.0 %	<± 0.5 %	<0.5 %	<0.4 %	<0.2 %
Macropipettes						
0.2 – 2 mL	<± 1.5 %	<± 1.0 %	<± 0.5 %	<0.5 %	<0.3 %	<0.2 %
0.5 – 5 mL	<± 1.5 %	<± 1.1 %	<± 0.6 %	<0.6 %	<0.5 %	<0.4 %
1 – 10 mL	<± 1.5 %	<± 0.7 %	<± 0.5 %	<0.5 %	<0.3 %	<0.2 %

¹⁾ At 0.5 μ L. Indicative data at 0.2 μ L: E <+/- 12 %, CV < 8 %

²⁾ At 1.0 μ L. Indicative data at 0.5 μ L: E <+/- 5 %, CV < 3 %

³⁾ Fits yellow style 200 μ L tips



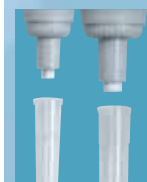
► Swift-set calibration

簡易的校正系統，使用者可以簡單、迅速且準確的校正，使原本繁雜的校正手續，變得更容易。



► Colour coding at will

14 種顏色頂蓋設計，可輕易更換，以方便實驗室分類管理。



► Macropipettes – maxi advantages

Acura® 835 系列，附有濾頭的保護措施，防止液體滲透及吸入管柱中。

► Minimum maintenance/sterilisation

抗震動，一般化學劑及 UV 整支可 Autoclavable 滅菌 (121°C 20min)。



Ordering information — Instruments

Acura® 815, fixed volume micropipettes

Volume μ L	Tip style	Cat. No.	Volume μ L	Tip style	Cat. No.	Volume μ L	Tip style	Cat. No.
1	10 μ L	815.0001	50	200 μ L	815.0050	250	1000 μ L	815.0250
5	10 μ L	815.0005	60	200 μ L	815.0060	300	1000 μ L	815.0300
10	10 μ L	815.0010	70	200 μ L	815.0070	400	1000 μ L	815.0400
10Y	200 μ L	815.0010Y	75	200 μ L	815.0075	500	1000 μ L	815.0500
15	200 μ L	815.0015	80	200 μ L	815.0080	600	1000 μ L	815.0600
20	200 μ L	815.0020	90	200 μ L	815.0090	700	1000 μ L	815.0700
25	200 μ L	815.0025	100	200 μ L	815.0100	750	1000 μ L	815.0750
30	200 μ L	815.0030	120	200 μ L	815.0120	800	1000 μ L	815.0800
32	200 μ L	815.0032	150	200 μ L	815.0150	900	1000 μ L	815.0900
40	200 μ L	815.0040	200	200 μ L	815.0200	1000	1000 μ L	815.1000

Acura® 825, adjustable volume micropipettes

Volume μ L	Div. μ L	Tip style	Cat. No.
0.1 — 2	0.002	10 μ L	825.0002
0.5 — 10	0.01	10 μ L	825.0010
1 — 10	0.01	200 μ L	825.0010Y
2 — 20	0.02	200 μ L	825.0020
5 — 50	0.1	200 μ L	825.0050
10 — 100	0.1	200 μ L	825.0100
20 — 200	0.2	200 μ L	825.0200
100 — 1000	1	1000 μ L	825.1000

Acura® 835F, fixed volume macropipettes

Volume mL	Tip style	Cat. No.
2	2 mL	835.F02
2.5	5 mL	835.F02.5
5	5 mL	835.F05
10	10 mL	835.F10

Acura® 835, adjustable volume macropipettes

Volume mL	Div. mL	Tip style	Cat. No.
0.2 — 2	0.002	2 mL	835.02
0.5 — 5	0.01	5 mL	835.05
1 — 10	0.01	10 mL	835.10

Acura® 855, multichannel macropipettes

Volume μ L	Division μ L	Tip style	8-channel/Cat. No.	12-channel/Cat. No.
0.5 — 10	0.01	10 μ L	855.08.010	855.12.010
5 — 50	0.1	200 μ L	855.08.050	855.12.050
20 — 200	0.2	200 μ L	855.08.200	855.12.200
40 — 350	0.4	350 μ L	855.08.350	855.12.350

Ordering information — Accessories

Description	Packaging	Cat. No.
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Work station model 340

Fits 3 multi- or single-channel 1 / pack 320.340

Universal work station model 337

Fits 7 single-channel micropipettes of most brands

Colour	Packaging	Cat. No.
Light grey	1 / pack	320.337G
Ice blue	1 / pack	320.337B
Vanilla yellow	1 / pack	320.337Y
Mint green	1 / pack	320.337M
Pastel rose	1 / pack	320.337R

Pasteur pipette adapter-nozzle

for model	Packaging	Cat. No.
835, 2 mL	1 / pack	1.835.631
835, 5 mL	1 / pack	1.835.633

Reservoirs and filters

	Packaging	Cat. No.
Reagent reservoir, 70 mL, PP, autoclavable	20 / pack	330.01
Large reagent reservoir with hinged lid, 175 mL, PP, autoclavable	20 / pack	330.01L
8-channel reservoir, 40 mL, PS, sterile, single wrapped	10 / pack	330.08.9
12-channel reservoir, 40 mL, PS, sterile, single wrapped	10 / pack	330.12.9
Nozzle protection filter for 2 and 5 mL models	250 / pack	322.05
Nozzle protection filter for 10 mL model	100 / pack	322.10

Colour	Cat. No.	Colour	Cat. No.
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Smartie plunger caps

Alternative colour selection (6 / pack)

White	1.825.710	Rose	1.825.719
Grey	1.825.715	Pink	1.825.720
Vanilla	1.825.716	Purple	1.825.721
Lemon	1.825.712	Ice blue	1.825.722
Yellow	1.825.717	Blue	1.825.713
Orange	1.825.718	Mint	1.825.723
Red	1.825.714	Green	1.825.711

Smartie mix

Assorted colours (14 / pack)	1.825.700
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Standards and compliance

The AcuraManual pipettes are designed to operate under national and international standards such as EN ISO 8655, GMP, GLP, NCCLS.

The instruments conform to the CE directive IVD 98/79 EEC (in vitro diagnostic medical devices).

QC and warranty

Performance values are obtained with bi-dist. water at constant temperature ($\pm 0.5^\circ\text{C}$) between 20 and 25°C, in accordance with EN ISO 8655.

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

Three-year warranty.



友和貿易股份有限公司

UNI-ONWARD Corp.

http://www.uni-onward.com.tw



◆台北: TEL: (02) 2600-6699 FAX: (02) 2600-0799

◆新竹: TEL: (03) 658-0508 FAX: (03) 658-0509

◆台中: TEL: (04) 2471-0035 FAX: (04) 2471-0045

◆嘉義: TEL: (05) 2238-001 FAX: (05) 2233-519

◆台南: TEL: (06) 242-5488 FAX: (06) 242-5472

◆高雄: TEL: (07) 347-7776 FAX: (07) 347-1245

◆花蓮: TEL: (038) 360-065 FAX: (038) 360-075

◆客服專線: TEL: (02) 2600-0611