

# PRECISION LIQUID HANDLING



## Life Science Syringes



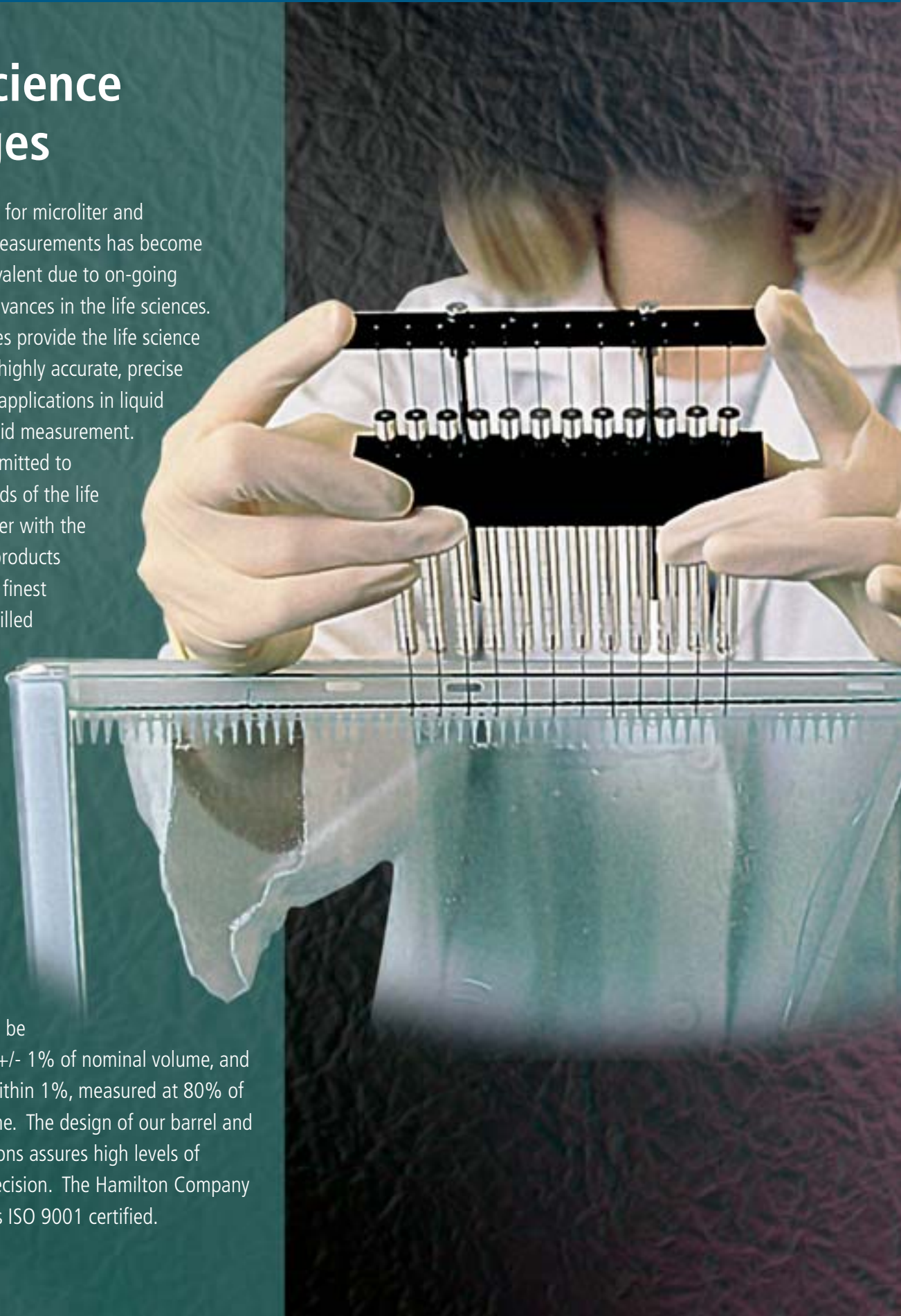
**HAMILTON**   
THE MEASURE OF EXCELLENCE™

# The Measure of Excellence

## Life Science Syringes

The requirement for microliter and sub-microliter measurements has become increasingly prevalent due to on-going technological advances in the life sciences. Hamilton syringes provide the life science researcher with highly accurate, precise tools for critical applications in liquid handling and fluid measurement. Hamilton is committed to meeting the needs of the life science researcher with the highest quality products crafted from the finest materials and skilled workmanship.

Hamilton syringes deliver unsurpassed accuracy and precision for your critical life science applications. Hamilton syringes are manufactured to be accurate within  $\pm 1\%$  of nominal volume, and with precision within 1%, measured at 80% of total scale volume. The design of our barrel and plunger dimensions assures high levels of accuracy and precision. The Hamilton Company Quality System is ISO 9001 certified.





## Syringe Terminations

Syringe terminations are offered in a number of different configurations designed to accommodate a broad range of applications. From cemented to removable needles, and luer taper to special syringe fittings, syringe barrel terminations serve a key function at the interface of a syringe and its mating connection.

---

### **N, Cemented Needle**

Needles are cemented into the glass syringe barrel at a point corresponding to the zero graduation mark; not autoclavable.

---

### **LTN, Luer Tip Cemented Needle**

Needles are cemented into the glass syringe barrel at a point corresponding to the zero graduation mark; not autoclavable.

---

### **RN, Removable Needle**

Removable needles seat precisely to the zero graduation mark of the syringe; autoclavable when disassembled. Allows the use of different specification needles on the same syringe barrel.

---

### **LT, Luer Tip**

Ground glass, syringe barrel with a male luer taper accepts most hypodermic needles; autoclavable when disassembled. Use Kel-F hub needles and connectors for a tight seal.

---

### **KH, Knurled Hub**

Removable needle, knurled hub is used on 7000 Series syringes, exclusively; autoclavable when disassembled. Knurled hub enables 6000 psig maximum injection pressures and the attachment of a spacer for repeatable depth injections.

## Needle Point Styles

Several different needle point styles are offered on Hamilton syringe and needle products depending upon the application. Syringes and needles manufactured by Hamilton Company are intended for scientific research and laboratory use only and are not intended for human in vivo use.

---

### **Point Style 2:**

Beveled non-coring needle point recommended for septum penetration. Only needle gauges 26s – 22 are recommended for septum penetration.

---

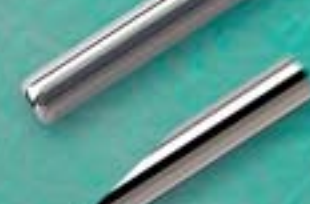
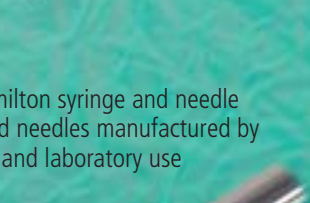
### **Point Style 3:**

Blunt needle point for sample pipetting.

---

### **Point Style 4:**

10° – 12° beveled needle point recommended for life science applications. Special point styles such as 12°, 30°, and 45° are available on request.



# Life Science Syringes

- Needles and probes as fine as 33 gauge (.009"/.24 mm O.D.)
- Removable needles (RN) available with 12°, 30°, 45°, and 90° beveled point styles
- RN needles can be interchanged for gauge, length, and point style optimization and for field replacement of bent or plugged needles
- Suitable for mounting in mechanical micropositioners, microinjection systems, and stereotaxic instruments



- For use with liquid (GASTIGHT® syringes are for use with gas or liquids)
- Syringes are autoclavable when disassembled

---














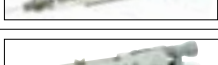
## Replacement Needles

- RN Removable Needles for use with RN-style syringes and connectors
- KH Needle Repair Kit for MODIFIED MICROLITER™ syringes
- 304 stainless steel (sst.) needles





## Ordering Information

	Volume	.5 µL	.5 µL	1 µL	2 µL	5 µL	5 µL	5 µL	10 µL	10 µL
Model	7000.5 KHOC	7000.5 KHOC	7001 KH	7002 KH	7105 KH	75 RN	175 RN	701 RN	1701 RN	
Gauge**	32	25	25s	25	24	32	32	32	32	32
<b>MODIFIED MICROLITER™ KH (Knurled Hub)</b>			86257*	86250	80100	88400	88000			
<b>MICROLITER™ RN (Removable Needle)</b>							87931			
<b>MICROLITER RN (Removable Needle)</b>									80314	
<b>MICROLITER Syringe RN (Removable Needle)</b> (Needle not included)							7634-01		7635-01	
<b>GASTIGHT® RN (Removable Needle)</b>										80014
<b>GASTIGHT Syringe RN (Removable Needle)</b> (Needle not included)										7653-01
<b>PB600 Repeating Dispenser</b> (Syringe not included)									83700	83700
<b>Reproducibility (Chaney) Adapter</b> (Syringe not included)			14725	14725	14725	14725	14725	14700	14700	14700
<b>Syringe Guide</b> (Syringe not included)			14906	14906	14906	14906	14906	14806	14806	14806
<b>Digital Base Unit</b> (Syringe not included)										

Add the prefix "DS" to the beginning of the syringe's part number.  
(Base unit not sold separately)



### Syringe Calibration Service

Add the prefix "CAL" to the beginning of the syringe's part number.

\* Needle length is 3.94"


## Typical Operating Parameters

- Maximum temperature for MODIFIED MICROLITER syringes is 50°C (122°F) and all others 115°C (239°F).
- Maximum pressure rating is 6000 psig for MODIFIED MICROLITER syringes, 2000 psig for MICROLITER syringes, 1000 psig for GASTIGHT syringes.

## KH Needle Repair Kit

	Volume	.5 µL	.5 µL	1 µL	2 µL	5 µL
Description	Model	7000.5OC	7000.5	7001	7002	7105
Repair Kit Point Style 3		86258	17187	17188	17191	17193

## Removable (RN) Needles, Standard and Special Length/Point Style (All needles sold in 6 packs)

Gauge	Nominal O.D. inch/mm	Nominal I.D. inch/mm	Volume µL/inch	(Gauge/Length/Pt Style)	 Point Style 3	Custom Needles Pt. Styles 2, 3, 4**
33	.008/.21	.004/.11	.20	(33/1.5"/3)	7762-06	7803-05
32	.009/.24	.004/.11	.20	(32/2"/3)	7762-05	7803-04
30	.012/.31	.006/.16	.45	(30/2"/3)	7762-03	7803-07
28	.014/.36	.007/.18	.63	(28/2"/3)	7762-02	7803-02
26s	.018/.47	.005/.13	.26	(26s/2"/3)	7768-01	7804-04
26	.018/.47	.010/.26	1.25	(26/2"/3)	7768-02	7804-03
22s	.028/.72	.006/.15	.45	(22s/2"/3)	7770-01	7804-02
22	.028/.72	.016/.41	3.35	(22/2"/3)	7770-02	7804-01

\* Custom needles are available in point styles 2, 3 or 4. When ordering, specify length and point style (for gauges 28-33 minimum length: .375"/9.37 mm; maximum length: 6"/150 mm; for gauges 22-26s minimum length: .375"/9.37 mm; maximum length: 15"/375 mm).

\*\* When ordering point style 4, specify length and degree of bevel, i.e. 12°, 30°, 45° or 90°

# Gel Loading Syringes

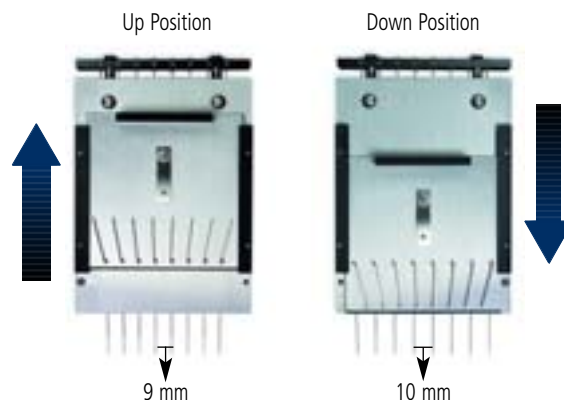
## Multi-Channel Gel Loading Syringes

- Fast accurate sample loading of 36-, 48-, and 64-lane gels on ABI PRISM® 377 DNA sequencing instrument
- GASTIGHT® syringes ensure accuracy to within  $\pm 1\%$  and adjustable stops allow for fast reproducible volume transfers of 0.2-10  $\mu\text{L}$
- Available in cemented needle or removable needle models



## Adjustable Gel Loading Syringes

- Simplify and speed sample loading of 96-lane gels on ABI PRISM 377 DNA sequencing instrument
- Eight samples at a time can be transferred directly from a microwell plate with 9 mm spacing to a 96-lane gel with 10.8 mm spacing
- Easy-to-use design for adjustment of needle spacing



## Ordering Information

Description*	0.2 mm needle design	0.3 mm needle design	0.4 mm needle design
12-Channel	84512	84501	84500
8-Channel (Removable Needles)	84711	84703	84702
8-Channel (Cemented Needles)	84511	84503	84502
Single Channel DNA Syringe, 10 µL (Cemented Needle)	80081	84505	
Single Channel DNA Syringe, 10 µL (Removable Needle)	80091		

\* All Multi-Channel Gel Loading Syringes contain 10 uL total volume syringes with 9 mm (0.36") spacing between needles.  
For information about larger or smaller volume syringes, or units with other than 9 mm spacing between needles, contact the Hamilton Company.

### Replacement Parts & Accessories — Removable Needle

Replacement Barrel (w/ needle)	4749-01	4749-02	4749-03
Replacement Needles, 3/pk	78733	78726	78727
Plunger Assembly	15948	15948	15948
Barrel w/out needle and nut	10399	10399	10399
RN Nut	30902	30902	30902
Needle Cleaning Wires, 10/pk	18306	18306	18302

### Replacement Parts & Accessories — Cemented Needle

Replacement Syringe (barrel and plunger)	80023	80022	80021
Syringe Barrel	10398	10396	10395
Plunger Assembly	15948	15948	15948
Stop Collars (2) w/ Allen Wrench	1993-01	1993-01	1993-01
Needle Cleaning Wires, 10/pk	18306	18306	18302

## Ordering Information

Description*	0.2 mm needle design	0.3 mm needle design	0.4 mm needle design
8-Channel Adjustable Gel Loading Syringe	84611	84603	84602

### Replacement Parts & Accessories

AGLS Needle, 4/pk	78633	78631	78628
Barrel w/out needle and nut	10399	10399	10399
Plunger Assembly	15948	15948	15948
Stop Collars (2) w/ Allen Wrench	1993-01	1993-01	1993-01
Needle Cleaning Wires, 10/pk	18306	18306	18302

*NOTE: For best results, select the needle design which most closely matches your gel thickness.*

# Special Syringes

## Microsyringe Pipettes

- Sample wets only the disposable PTFE tips, eliminating sample cross-contamination
- Spring loaded plunger and adjustable stops ensure excellent reproducibility



- Special 3/4" electrotapered needle allows easy attachment of the PTFE tips

## Threaded Plunger Syringes

- For applications requiring extremely precise plunger movement or minute fluid manipulation
- Dispense from .33 to 13.23  $\mu\text{L}$  per plunger revolution



Plunger Type



Sleeve Type

- Luer tip (LT) syringe terminations for easy connection of Kel-F<sup>®</sup> hub stainless steel needles; Kel-F hub PTFE tubing; and 1/4" O.D. x 1/8" I.D. Tygon<sup>®</sup> or rubber tubing

## Pipette Controllers

- Use in place of rubber bulbs to easily and precisely fill glass pipettes
- Free-sliding plunger coarsely fills the pipette, knurled plunger screw completes the fine volume adjustment



- Luer tip (LT) syringe termination for easy connection of tubing to glass pipettes

## Hub Needles

- Metal hub (N) or Kel-F hub (KF) needles in convenient six packs
- Metal hub (nickel plated brass) for use with TLL syringes and LT or TLL connectors
- Kel-F hub for use with LT and TLL syringes and connectors
- 304 stainless steel (sst.) needle
- Standard needle length: 2"/51 mm



Metal Hub Needles



Kel-F Hub Needles



## Ordering Information

Sample Volume	Syringe Model	Microsyringe Pipette Part #	Disposable Tip Part # 100/pk
.2 - 3 µL	701	84250	84255
.5 - 7 µL	702	84252	84254

## Ordering Information

Part #	Model	Volume	Description	µL per Revolution
80266	1702TPLT	25 µL	Sleeve type	.33 µL
81041	1710TPLT	100 µL	Sleeve type	1.32 µL
81141	1725TPLT	250 µL	Sleeve type	3.31 µL
81242	1750TPLT	500 µL	Plunger type	5.29 µL
81341	1001TPLT	1.0 mL	Plunger type	13.23 µL

## Ordering Information

Part #	Model	Volume
84001	0010PC	1.0 mL
84101	0020PC	2.5 mL

## Ordering Information

All needles sold in 6 packs.



Metal Hub (N)



Point Style 3

Custom Needles Pt. Styles 2, 3, 4\*\*

Gauge	Point Style 3	Custom Needles Pt. Styles 2, 3, 4**
33	91033	7747-01
32	91032	7747-02
30	91030	7748-16
28	91028	7748-14
26s	91039	7748-19
26	91026	7748-12
22s	91038	7748-18
22	91022	7748-08



Kel-F Hub (KF)



Point Style 3

Custom Needles Pt. Styles 2, 3, 4\*\*

Point Style 3	Custom Needles Pt. Styles 2, 3, 4**
90530	7750-21
90528	7750-19
90539	7750-24
90533	7750-17
90534	7750-23
90134	7750-13

\* Custom needles are available in point styles 2,3 or 4. When ordering, specify length and point style (for gauges 28-33 minimum length: .375"/9.37 mm; maximum length: 6"/150 mm; for gauges 22-26s minimum length: .375"/9.37 mm; maximum length: 15"/375 mm).

\*\* When ordering point style 4, specify length and degree of bevel, i.e. 12°, 30°, 45° or 90°

# General Ordering Information



**HAMILTON**  
THE MEASURE OF EXCELLENCE™

---

**Office Hours:**

Weekdays 7 am – 5 pm Pacific Standard Time

Toll Free 1-800-648-5950 or 1-775-858-3000  
Fax: 1-775-856-7259

---

**Toll Free Order Hotline:**

**1-888-525-2123**

For your convenience, please have your account number and your purchase order number ready when placing an order.

Major Credit Cards Accepted

**Order Online:**

[www.hamiltoncompany.com](http://www.hamiltoncompany.com)

**Via Email:**

[sales@hamiltoncompany.com](mailto:sales@hamiltoncompany.com)

---

**Terms:**

After credit responsibility has been established with Hamilton Company, terms are net 30 days from the date of invoice. A finance charge will be applied to all invoices not paid within 30 days. Unestablished accounts can place an order with a credit card.

---

**Shipping:**

All domestic shipments are FOB Reno, Nevada, U.S.A., by United Parcel Service unless otherwise specified. All international shipments are FOB Reno, Nevada, U.S.A., to be shipped as specified by purchaser.

---

**Warranty:**

All Hamilton products are unconditionally guaranteed to be free of defects in materials and workmanship for one year (12 months) from date of purchase.

---

**Returned Goods/  
Restocking Charges:**

Any product returned to Hamilton Company for repair, evaluation, or exchange must be accompanied by an assigned Returned Goods Authorization (RGA) tracking number. Unauthorized returns will be refused.

Products returned for credit must also have an assigned RGA tracking number and are subject to a 20% restocking fee. All returns must be sent to the following address:

Hamilton Company  
4990 Energy Way  
Reno, Nevada 89502

# Standard Conditions of Sales

## STANDARD CONDITIONS OF SALE (of Hamilton Company, "The Company")

### 1. GENERAL

All orders are accepted and executed on the understanding that the Purchaser is bound by the following Standard Conditions of Sale. Where there is any inconsistency between these Standard Conditions of Sale and any conditions which the Purchaser seeks to impose, these Standard Conditions of Sale shall prevail.

Any deviations from these Standard Conditions of Sale shall only be binding upon the Company if the latter has expressly agreed thereto in writing.

### 2. VALIDITY OF QUOTATIONS

The Company reserves the right to refuse the Purchaser's acceptance of a quotation unless such quotation is stated to be open for a specific period and is not withdrawn in such period.

### 3. PRICES AND DISCOUNTS

The published prices of the Company's Products are those ruling on the date of publication and are subject to alteration without notice. Prices and currency transactions are in U.S.A. dollars.

### 4. PAYMENT

Unless otherwise agreed by the Company in writing, the goods shall be paid for in cash within 30 days following the date of the relevant invoice. The Company's prices are net and are not subject to any settlement terms.

The Purchaser may not claim any set-off against the Company. In the event of a delay in payment, the Company shall be entitled to claim, without any notice of default being required and without prejudice to any further rights it may have, interest at a rate of one and a half percent (1 1/2%) per month or at the legal interest rate, whichever is the higher value. All costs of collection shall be fully for the Purchaser's account; extrajudicial costs shall be fixed at ten percent (10%) of the amount owed by the Purchaser and shall be at least fifteen hundred U.S. dollars (USD 1,500.00).

In the event that any payment in respect of Products supplied becomes overdue, the Company may immediately terminate the Purchaser's power of sale under clause 14 of this document and may without prior notice to the Purchaser enter upon the premises of the Purchaser to repossess unpaid goods.

### 5. NEW ACCOUNTS

Where a credit account is desired, a bank and as many as five trade references may be required. The Company reserves the right not to grant credit to any Purchaser for any reason whatsoever.

### 6. CARRIAGE

Unless otherwise agreed by the parties, goods are delivered by the Company FOB Reno, Nevada, U.S.A. to the Purchaser's registered office exclusive of duty, insurance, taxes, and VAT. When special delivery arrangements are requested, special rates will be charged.

All delivery times shall be approximate, except if a fixed time of delivery has been specifically agreed to in writing by the Company, in which case a delay in the delivery shall solely entitle the Purchaser to cancel, without costs, the order for the goods not delivered.

### 7. PACKING

A charge is made when it is necessary to dispatch goods in crates or cases, but this amount will be credited in full on the return, within one month, of the crates or cases in good condition carriage paid. No charge is made for any other form of packing and no credit will be allowed for its return.

### 8. LOSS OR DAMAGE IN TRANSIT

Clear receipts should be given only if goods have been examined, as an unqualified signature may react to the disadvantage of the Purchaser if the consignment should become the subject of a claim. In the event of short delivery or damage in transit, it is essential that the Company's dispatching depot be advised within two days of receipt of goods.

The following details should be sent in writing to the Company:

- Advice note number
- Carrier's name
- Condition of package
- Date of consignment received
- Extent of damage or shortage

In the event of non-delivery, the Company's dispatching depot should be advised within seven (7) days of the date of invoice. The Company will not be responsible for goods lost or damaged in transit unless the above conditions are observed.

### 9. DELIVERY

The Purchaser shall be obliged to cooperate in the delivery of the Products and to take receipt of same. The Company may keep any goods refused or not accepted by the Purchaser at the latter party's disposal for account and at the risk of the Purchaser.

### 10. LIABILITY FOR DELAY

Any times quoted for dispatch, delivery, repair, or replacement are to be treated as estimates only and the Company shall not be liable for failure to dispatch, deliver, repair, or replace within such time unless the Purchaser has suffered loss thereby and the amount payable in respect thereof shall have been agreed in writing as liquidated damages, in which case the Company's liability shall be limited to the amount so agreed to be paid.

In all cases, whether a time for dispatch, delivery, repair, or replacement be quoted or not, the time for dispatch, delivery, repair, or replacement shall be extended by a reasonable period if delay in dispatch, delivery, repair, or replacement is caused by instructions or lack of instructions from the Purchaser or by industrial dispute or by any cause whatsoever beyond the Company's reasonable control.

### 11. DEFAULT

The Company shall have the right to discontinue delivery and also at its discretion to terminate any agreement in respect of any undelivered goods if the Purchaser defaults in payment as stated under clause 4 of this document or in respect of its other obligations to the Company.

### 12. DEFECTS AFTER DELIVERY

The Company will make good, by repair at the Company's option, or by the supply of replacement, defects, which under proper use, appear in the goods within a period of 12 calendar months after the goods have been delivered and arise solely from faulty design, materials or workmanship; provided that no complaints shall be admissible unless submitted in writing to the Company within five (5) days after

the time of discovery of the defect or after the time the defect should have been discovered, whichever time comes first, it being understood that the Purchaser shall take reasonable care to discover any defect of whatever nature as soon as possible after taking delivery.

Provided further that in respect of parts or components not of the Company's manufacture, the Company will give the Purchaser a guarantee equivalent to the guarantee (if any) that the Company may have received from the supplier of such parts or components in respect thereof but not so as to impose on the Company in respect of such parts or components a liability greater than that imposed on it by the aforesaid period of this clause.

Save as aforesaid and as provided in clauses 8 and 10, the Company shall not be under any liability in respect of defects in goods delivered or for any injury, damage, or loss resulting from such defects or from any work done in connection therewith and its liability under this clause shall be in lieu of any warranty or condition implied by law as to the quality of fitness for any particular purpose of such goods.

### 13. SPECIAL ORDERS

All orders for non-standard products or package quantities not included in current Company catalogues and literature, are considered to be special orders and will be dealt with at the discretion of the Company.

### 14. RESERVATION OF OWNERSHIP/PASSING OF RISK

Products supplied to the Purchaser by way of sale shall remain the property of the Company until payment in full of all its claims on the Purchaser on whatsoever account has been received by the Company but risk in the same shall pass upon delivery.

The Purchaser acting as bailee shall deal with the goods separately and store according to the agreed methods of storage so that the goods not paid for may be clearly identified and shall not be mixed with other goods.

The Purchaser shall be entitled to pass ownership in unpaid goods to third parties provided that all sums received shall be held for the account of the Company.

### 15. RETURN OF GOODS

The Company does not accept the return of goods for credit unless it is a justified warranty claim. All returns must be authorized in advance. Unauthorized returns will be refused. In no circumstances may goods supplied against a firm order be returned without the Purchaser having first applied for and obtained both written consent and a Returned Goods Authorization (RGA) number from the Company.

The Company reserves the right to refuse the return of any Product that has been used with infectious, microbiological, or radioactive substances or other materials that may be deemed hazardous to the employees of the Company.

A handling charge amounting to not more than 20 percent of the invoice value of the returned goods may be deducted from any credit allowed where it is established that the reason for their return is not subject to the provision of clause 8 or 12 hereof or through any error on the part of the Company.

Goods approved for return must be received by the Company within 30 (thirty) days of the Company's written consent.

### 16. DESCRIPTIVE MATTER AND ILLUSTRATIONS

All descriptive and forwarding specifications, drawings, and particulars of weights and dimensions issued by the Company are approximate only, and are intended only to present a general idea of the goods to which they refer and shall not form part of a contract.

### 17. FORCE MAJEURE

Any party will be excused from performing under a sale agreement or any other agreement of which these Standard Conditions of Sale are part if prevented by an event of force majeure including strike, lockout, or other major trouble affecting labor relations.

If any such event of force majeure should last for more than two (2) consecutive months, any party may elect to terminate this Agreement immediately upon giving a written notice to the other party.

### 18. PATENTS

In the event of any claim being made or action being brought against the Purchaser in respect of infringement of local patents by the user or sale of goods supplied hereunder, the Purchaser is to notify the Company immediately, and the Company shall be at liberty with the Purchaser's assistance if required, but at the Company's expense, to conduct through the Company's own lawyers and experts all negotiations for the settlement of the same or any litigation that may arise therefrom; subject to such notifications and provided that no such goods, or any part thereof, shall be used for any purpose other than that for which the Company supply them, the Company will indemnify the Purchaser in respect of any such claims.

### 19. TRADEMARKS

- The only Hamilton trademarks that the Purchaser may display to advertise and sell the Products shall be those trademarks under which the Products are sold by the Company to the Purchaser hereunder or such other trademarks expressly authorized by the Company (hereinafter called "the said trademarks") and the Purchaser shall comply with the Company's instructions as to the manner and context in which the said trademarks and the statements to accompany them are displayed.
- No trademarks of the Products shall be undertaken by the Purchaser or any person on the Purchaser's behalf without the Company's prior written consent nor will the Purchaser alter, obliterate, add to, or otherwise interfere with the said trademarks.

### 20. LEGAL CONSTRUCTION

These Standard Conditions of Sale and all sale contracts to which the same apply shall be construed in accordance with the laws of the State of Nevada, U.S.A., and the authoritative text shall be that in the English language set out herein. Any disputes arising in connection with these Standard Conditions of Sale and all sale contracts to which the same apply shall be finally settled by arbitration in accordance with the laws and rules of the State of Nevada and such proceedings held and located in Reno, Nevada, U.S.A.





**HAMILTON**  
THE MEASURE OF EXCELLENCE™

**Hamilton Company**

4970 Energy Way  
Reno, Nevada 89520 USA  
Toll-Free: 800-648-5950  
Telephone: +1-775-858-3000  
Fax: +1-775-856-7259  
e-mail: sales@hamiltoncompany.com

**Hamilton Bonaduz AG**

Via Crusch 8  
CH-7402  
Bonaduz/Switzerland  
Telephone: +41-(0)81-660-60-60  
Fax: +41-(0)81-660-60-70  
e-mail: marketing@hamilton.ch

**Hamilton Deutschland GmbH**

Daimlerweg 5A  
64293 Darmstadt/Germany  
Telephone: +49-(0)6151-66706-0  
Fax: +49-(0)6151-66706-66  
e-mail: sales@hamiltongmbh.de

**Hamilton Northern Europe**

Unit 2, Enterprise Way  
Aston Science Park  
Birmingham, B7 4BH, U.K.  
Telephone: +44-(0)121 2600301  
Fax: +44-(0)121 2600302  
e-mail: sales@hamiltongb.co.uk

**Hamilton France S.A.R.L.**

Parc du Moulin de Massy  
37 rue du Saule Trapu  
91300 MASSY  
France  
Telephone: +33-(0)1-69-75-16-16  
Fax: +33-(0)1-60-11-57-16  
e-mail: Hamilton.France@wanadoo.fr

**Quality Hamilton Products:**

MICROLITER™ Syringes  
GASTIGHT® Syringes  
Chromatography Syringes  
Syringes for Life Science  
Instrument Syringes  
SoftGrip™ Pipettes  
Miniature Valves  
Modular Valve Positioner  
Laboratory Fittings, Adapters & Tubing  
Precision Syringe Pumps  
MICROLAB® Diluters & Dispensers  
Electrochemical Sensors  
DURACAL™ Buffer Solutions  
HPLC Columns & Resins

**Laboratory Automation for:**

Drug Discovery  
Genomics  
Proteomics  
Forensics  
In Vitro Diagnostics

<http://www.hamiltoncompany.com>  
**Sales/Support USA 1-888-525-2123**

**TRADEMARKS:**

The following are trademarks of Hamilton Company

GASTIGHT®  
MICROLITER™  
MODIFIED MICROLITER™

The following company trademarks have been used in this catalog

ABI PRISM® 377  
Kei-F®