# CT Products 2012 Prices at AUD/USD=1.05 Current = \$ x XROId / XRNew

# - NEW Pharma Vial Products

Ampulmatic/ Ampules
Adjustable Hand Crimpers
NEW SS Crimpers w/Grips
NEW Pneumatic Hand Crimper
Spray Cap Nozzles
mini Essential Oil Bottles
Filter Vials-Syringe-Less
Gamma-Irradiated Vials
Syringe & Dispensing Pumps
Liquid Dispensers

- Pipette Filler
- Electronic MicroPipette
- mini Fixed Volume micropipettes
- MuliChannel microPipettes
- Fixed Volume microPippettes
- Variable Volume microPipettes
- MicroLit BottleTop Dispenser

Autosampler Vial; LowCost 12x32mm

<u>Sleeve Vial Stoppers</u> <u>Vial Racks - Custom Made</u>

### **Vials 2012**

NEW\_100x32mm Vials /inc Caps/Stoppers/Crimper Chromatography Vials - Syringes Serum Vials : HTM Section Glass Botlles / Serum Vials Page 106p PDF (file 20Mb & slow)

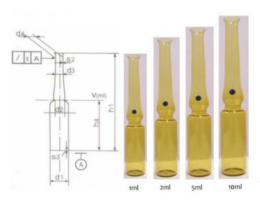
Serum Vials & Prices Overview ...

Vial/Bottle Sizes-Volume PDF ...

Pharma Vial Packaging



# Glass Ampules.



### Flame-Sealing of Glass Ampules

- Optional Gas Filling
   Accessory
   1, 2, 5, 10
   20,50ml ampules
  up to 20 per 5 minutes
  -220VAC operation
- Wheaton Ampules
   Order from us separately
  both Clear & Amber

**Ampulmatic** 









... not just a "woosy" battery job

### **NEW Hand Crimper**

ALL Stainelss Steel + Rubber Grips Sterilisable / Autoclave all sizes, 11, 13, 20mm Plain & Flip-off Cap + Decappers

Adjustable Hand Crimpers PDF Hand Crimper for **Spray Cap Nozzles** 13 15.5mm and 20mm Available NOW Enquire! more

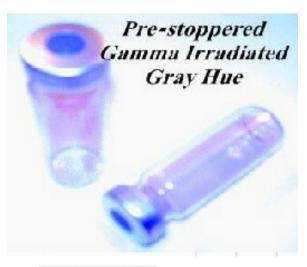
Spray Nozzle Cap for Crimp Vials bulk Orders required Only **Enquire** 



### "Gamma-Irradiated" CAPPED Vials

NOW Available 10ml ONLY CTSC-10V-20T-22D45H-SOHC Gamma Irradiated Open Hole pre-Capped/clean

**Enquire!** BULK ORDERS Only Packaging TGA Approved ???



### **Membrane Solutions**

Low Cost Autosampler Vials 12x32mm "2ml" Screw Cap and 11mm Crimp Top

9-425 for Agilent 8-425 for Other Autosampler Amber and Clear Graduated/Spot and Plain/Unmarked

BULK Prices 1000 AND 10,000 Pack pricing PDF 🤽.





### **Syringeless Filter Devices**





### PDF.

12x32mm Size; PP body Filter media: 0.22 and 0.45um PES, PVDF, Nylon, PP, PTFE, CA, Clear and Amber 400ul filtering capacity 50ul residual dead volume Cap(PP) and Septa (PTFE Coated Silcione



### **Filter Vials**

- . 0.45um PTFE Membrane
- . similar to 12x32 2ml Autosampler vial, 0.7ml filtrate volume
- . pre-slit Septa for easy needle penetration
- . eliminates Syringe Filter, normal vial, Syringe, HPLC Cap
- Low Dead Volumn
- . Easy-to-use

Applications : HPLC protect sensitive high pressure Injection Valves pumps in FIA Biochem perform in situ protein crashes with acetonitrile and in-situ filtration

### VOA pre-Cleaned **Vials**

- Ultra-Clean but NOT "Sterile"

21798-5; (5-pk) \$5.00each

replacement Septa 24mmx1/8" Teflon-lined Silicone 24649 \$0.50each

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# Syringe & Dispensing **Pumps**

single & multi-Barrel Continuous Flow system **lower Cost infusion ONLY type** Accessories - Syringe Heating Jackets

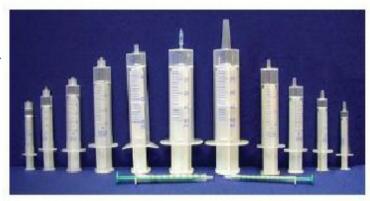
Syringes - Plastic/NormJects, Glass precision, Stainiess Steel SyringePro PumpControl S'ware ../syringepumps.htm



## Norm-Ject Syringes

"Sterile"/packed
All PolyProp & Gas Tight NOT with that infernal black rubber tip plunger

> 1ml Slip Tuberculin 3,5,10,20,30,50ml in both Slip Luer & Luer Lok ../syringes.htm





# Robotic X, Y-Z Dispenser

- Pressure Tank fed 1-Liter, 2-Liter
- Customised Vial Racks; 2, 4, 7, 10ml
- 300x300 to 500x500mmx100mmH Table up to 400ea 10ml 25mmD Vials Precision +/- 1%volume +/-.01mm High Speed XY/Z 0.1 to 800/350mm



# Essential Oil Bottles

Screw Caps: Drip-o-Lator: 2.3ml & 3.7ml

: Dropper : 14.8ml



CT9135 - Amber 5/8 dram (1" tall ) Glass Vials with Orifice Reducers ( Drip-o-lator)

& Black Caps

1 Slab - 495 each

Each vial holds between 25 and 40 drops deending on thicknes of the oil

Our Prices: \$0.68each 10min: 2.3ml



CT9105 - Amber 1 dram Glass Vials with Orifice Reducers ( Drip-o-lator) & Black Caps

These small vials are great for holding small amounts and samples of essential oils, perfumes, and more. Each vial comes with a plastic orife reducer (Drip-o-lator) and Black Cap. Holds 1 dram 1/4 tablespoon

Our Prices: \$0.88each 10min: 3.7ml



CT9170 - Amber 4 dram Glass Vials with Black dropper Caps

These vials include a dropper cap and are excellent for making blends for diluting an oil (for example to be used on children)

Our Prices: \$1.97each 10min: 14.8ml

### Tamper Proof/ Evident Cap Bottles & Dripolators

10.. 30. 50. 100ml 18DIN **CTDDxxA** Tamper Evident Caps CT18BTPE

CT9170, CT9105;, CT9135 4Dram 5/8Dram 1Dram 70x20mm 48x15mm 18x15mm

BlackCap w//PP WadSeal includes Dripolator Vial Bottle Catalog FlipPage more

Essential Oil **Bottles** 5/8, 1, 4Dram with Dripolator or Dropper





Restek Snap Rack 50x2ml

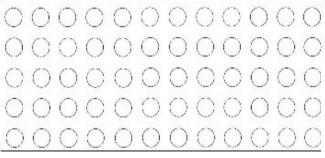
Vial Rack **Chromatography 2ml** Screw&Crimp Vials

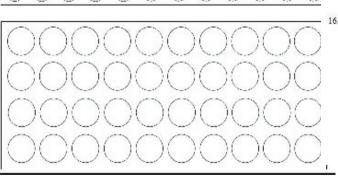
#24521 \$45.00each

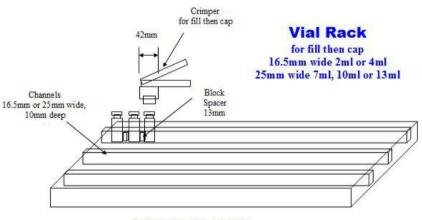
12mmOD ONLY #22586 \$30each

2.0 mL Sample Vial Racks









PP block 20" to 36" x 1/2" thick" 4 to 6 channels ~1" apart

Chromalytic Tech Custom Made Vial Racks Any Hole size - Configuration	16.5mmHoles 4ml Serum & 2ml Serum 13.5mm CT-VR16.5x50
PolyProp Funnel 30mm Diam for 13mm & 20mm Crimp Vials - Powder Filling	CT-PPF-30/13 CT-PPF-30/20
HD Polyprop Base 12x6"x1/2" thick base or to Order 16.5mm 12x6=72 vials 25mm 10x4=40vials with room for Crimper and/or funne	25mmHoles for 10/13ml Serum Vials 10ml 22mm 13ml 23.5
VialSlotRack	CT-VSR-LxWx-16.5 or 25-1,2,4,6 (rows)

### 20mm WHITE SLEEVE VIAL **STOPPERS**

Eliminates the need for vial crimpers or vial seals. Insert the narrow end of the sleeve stopper completely down into our 20mm crimp finish serum vials using a downward twisting motion (moisten if necessary).

Once completely inserted, unroll the larger diameter half down around the serum vial neck as shown on the amber serum vial in the picture to the left.

An airtight, secure fit is achieved without the need for separate seals, stoppers or vial crimpers! Made of white isoprene rubber

WSS1420 50-pk



\$0.75each for stopper

# Caps and Septa

for GL 45 #CT-GL45-CS and GL33 #CT-GL45-CS **Glass Bottles** 



### 45mm Open Top Caps and Silicone

Septa PBT high temperature red 45mm open top cap. To be used with 45mm silicone septa to seal a Pyrex media bottle or a Corning Easy Grip sterile media bottle and allow drawing of the contained fluid with a syringe. 45mm open top high temperature cap Each:



### 33mm Caps with Attached Silicone Septas

Black 33mm phenolic caps with attached 33mm silicone septa. Used to seal a Wheaton standard media bottle and allow drawing of the contained fluid with a syringe.

33mm black phenolic cap with attached 33mm silicone septa Each;

## MiniInert Valves Teflon; Autoclavable; Built-in Silicone Septum



Vial Screw **Caps** 

1/4-28 M/M 631205 1/4-28 M&F 1/8" NPT M&F



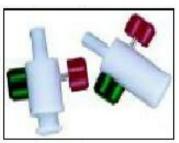
Mininert® Screw Cap



Mininert® Crimp Top

### uerLok Valves

1/4-28 M/M 631205 1/4-28 M&F 1/8" NPT M&F





MiniInert Threads 1/4-28 M/M 631205

1/4-28 M&F 1/8" NPT M&F



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## "pharma" Vial Packaging

Adds to Security - re damage in transit of "expensive" and potentially "messy" product.

100, 50, 30ml are particularly problematic in standard "Chinese" Packs . . . re breakages OPTIONAL :

We ship empty/uncapped vials to customer in clear tubes Shown . .

- 2-pk x 100ml
- 4-pk x 30ml5-pk x 13ml

also packs for 2(x10), 4(x6), 7(x8), 20(x5) ml Vials



"Bulk Packaging" as per " moronic" Chinese OEMs



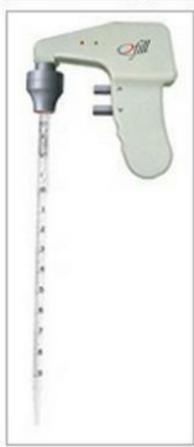
















# PIPETTE FILLING

DEVICE

fill is a friendly, efficient and reliable electronic pipette filling instrument. Designed for ease and comfort to suit all types of liquid handling needs in every Laboratory.





### SPECIFICATIONS & ORDERING INFORMATION

Pipette Filling Device

Model	Desription
MPF-GG-220V	Grey body/ Grey collet and plunger
MPF-GV-220V	Grey body/ Violet collet and plunger
MPF-GR-220V	Grey body/ Red collet and plunger
MPF-GG-110V	Grey body/ Grey collet and plunger
MPF-GV-110V	Grey body/ Violet collet and plunger
MPF-GR-110V	Grey body/ Red collet and plunger

HROMalytic +61(0)3 9762 2034 Australian Distributors

# ELECTRONIC

Microlit Electronic Pipette is based on Stepper Motor with Microprocessor controlled piston movement. These are user friendly and offer effortless pipetting. Accuracy & Precision levels are very high and user-independent. This is a complete solution for every pipetting need.



- Easy, User friendly calibration.
- Recharging during operation.
- Optimized ergonomy and working comfort.
- Large Liquid Crystal Display.
- Built-in tip ejector.
- Six models cover the complete pipetting range from 0.2 μl to 10000 μl.



Electronic Micropipettes

Model	Volume Range	Inc.	Vol.	Acc.	CV ≤%
ME-10	0.2-10µl	0.05	0.2	12.00	10.00
			5	1.00	0.70
			10	0.90	0.40
ME-120	5-120µl	0.5	5	3.50	1.50
			50	0.70	0.30
			120	0.40	0.15
ME-300	20-300 µl	1.0	20	2.50	0.70
			150	0.60	0.20
			300	0.40	0.15
ME-1000	50-1000µl	5.0	50	2.00	1.00
			500	0.60	0.20
			1000	0.40	0.15
ME-5000	100-5000µl	10.0	100	1.60	0.40
			2500	0.80	0.20
			5000	0.50	0.15
ME-10000	500-10000µl	50.0	500	1.50	0.30
			5000	0.50	0.15
			10000	0.60	0.20





# MINIATURE FIXED VOLUME

MICROPIPETTES

## LI'LPET-The Little Giant

These low cost miniature fixed volume pipettes are specially designed for use with Diagnostic Kits.





These high volume Li'lpet of 200  $\mu$ l, 250  $\mu$ l, 500  $\mu$ l and 1000  $\mu$ l are specially designed for routine Laboratory work.



# ~

### Miniature Fixed Volume Micropipettes

Model	Vol. μl	Acc.	CV ≤%	
MM-5	5	1.5	1.0	
MM-10	10	1.0	1.0	
MM-20	20	0.5	0.5	
MM-25	25	0.5	0.5	
MM-50	50	0.4	0.3	
MM-100	100	0.3	0.3	

SPECIFICATIONS & ORDERING INFORMATION

### Miniature Fixed Volume Micropipettes

Model	Vol. μl	Acc.	CV ≤%
MM-200	200	0.5	0.5
MM-250	250	0.5	0.5
MM-500	500	0.5	0.5
MM-1000	1000	0.5	0.5

CALIBRATION & SPECIFICATIONS CONFORMING TO ISO 8655 STANDARDS



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# MULTICHANNEL MICROPIPETTES

Recommended for ELISA, Molecular screening, Kinetic studies, DNA amplifications....

Available in both fully Autoclavable and Non Autoclavable versions.

### NON AUTOCLAVABLE

8-Channel









#### FEATURES:

- Lower assembly rotates 360° for optimal working position.
- Optimum piston-spring balance for soft plunger movement.
- Easy volume setting.
- Easy sequential tip ejection system.
- Easy user calibration.
- High accuracy and performance conforming to ISO 8655 standards.

#### SPECIFICATIONS & ORDERING INFORMATION

8-channel Non Autoclavable Micropipette

Model	Volume Range	inc. μί	Vol. μl	Acc.	CV ≤%
MC-8/10	0.5 - 10 µl	0.1	1	4.00	4.00
			5	2.50	2.50
			10	1.50	1.50
MC-8/20	02-20µl	0.1	2	4.00	4.00
			10	1.50	1.50
			20	1.50	1.00
MC-8/50	05-50µl	1.0	5	3.00	2.00
			25	1.50	1.00
			50	0.50	0.50
MC-8/100	10-100µl	1.0	10	3.00	1.50
			50	1.00	0.50
			100	1.00	0.50
MC-8/200	20-200µl	1.0	20	2.00	0.80
			100	1.00	0.50
			200	0.70	0.25
MC-8/300	40-300µl	1.0	40	2.00	0.80
			150	1.00	0.50
			000	0.70	0.05

12-channel Non Autoclavable Micropipette

Model	Volume Range	Inc.	Vol.	Acc.	CV ≤%
MC-12/10	0.5-10µl	0.1	1	4.00	4.00
			5	2.50	2.50
			10	1.50	1.50
MC-12/20	02-20 µl	0.1	2	4.00	4.00
			10	1.50	1.50
			20	1.50	1.00
MC-12/50	05-50 µl	1.0	5	3.00	2.00
			25	1.50	1.00
			50	0.50	0.50
MC-12/100	10-100µl	1.0	10	3.00	1.50
			50	1.00	0.50
			100	1.00	0.50
MC-12/200	20-200 µl	1.0	20	2.00	0.80
			100	1.00	0.50
			200	0.70	0.25
MC-12/300	40-300µl	1.0	40	2.00	0.80
			150	1.00	0.50
			300	0.70	0.25

CALIBRATION & SPECIFICATIONS CONFORMING TO ISO 8655 STANDARDS



Australian Distributors
Importers & Manufacurers
www.chromtech.net.au

Fixed Volume Pipettes are designed for many different types of routine laboratory work. Using the same state-ofart design and basic features of Variable Volume Pipettes, these fixed volume pipettes are ideal for Clinical Diagnostics, Control Analysis etc....

Available in both Fully and Semi Autoclavable versions.

**Fully Autoclavable** 

Semi Autoclavable







Fixed volume pipettes are available in all capacities from 0.5 µl to 10000 µl (10 ml).

Call our customer service for any Custom-made fixed volume micropipette.

### SPECIFICATIONS & ORDERING INFORMATION

Fixed Volume Micropipettes

Fully	odel Semi	Vol.	Acc.	CV ≤%	
Autoclavable	Autoclaveble				
FAF-1	FV-1	1.0	2.5	1.8	
FAF-2	FV-2	2.0	2.5	1.2	
FAF-5	FV-5	5.0	1.5	8.0	
FAF-10	FV-10	10.0	1.0	0.5	
FAF-20	FV-20	20.0	0.5	0.3	
FAF-25	FV-25	25.0	0.5	0.3	
FAF-50	FV-50	50.0	0.3	0.3	
FAF-100	FV-100	100.0	0.3	0.2	

Fixed Volume Micropipettes

Mod	del	Vol.	Acc.	CV
Fully Autoclavable	Serri Autoclassible	μΙ	±%	≤%
FAF-200	FV-200	200.0	0.3	0.2
FAF-250	FV-250	250.0	0.3	0.2
FAF-500	FV-500	500.0	0.3	0.2
FAF-1000	FV-1000	1000.0	0.3	0.2
FAF-2000	FV-2000	2000.0	0.3	0.2
FAF-5000	FV-5000	5000.0	0.3	0.2
FAF-10000	FV-10000	10000.0	0.3	0.2

CALIBRATION & SPECIFICATIONS CONFORMING TO ISO 8655 STANDARDS



# VARIABLE VOLUME

### AUTOCLAVABLE TIP-CONE

These Variable Volume Micropipettes are semiautoclavable where the Tip-cone assembly (consisting of Piston, O-ring, spring and the tip-cone) can be detached and autoclaved. This economical version is suitable for every application including Molecular biology, Microbiology, Immunology, cell culture, Analytical Chemistry, Biochemistry, Genetics etc....





### SPECIFICATIONS & ORDERING INFORMATION

Semi Autoclavable Variable Volume Micropipettes

Model	Volume Range	Inc.	Vol. μΙ	Acc.	CV ≤%
VV-2	0.2-2.0µl	0.01	0.2	12.0	6.0
			1.0	2.5	1.5
			2.0	1.5	0.7
VV-10	0.5-10 µl	0.1	0.5	5.0	2.8
			5.0	1.5	0.8
			10.0	1.0	0.4
VV-20	2-20 µl	0.1	2.0	5.0	1.5
			10.0	1.0	0.6
			20.0	1.0	0.3

Model	Volume Range	Inc. μΙ	Vol. µl	Acc. ±%	CV ≤%
VV-50	5 - 50 µl	1.0	5.0	2.5	1.5
			25.0	0.7	0.3
			50.0	0.7	0.3
VV-100	10-100µl	1.0	10.0	2.5	0.7
			50.0	0.8	0.3
			100.0	8.0	0.15
VV-200	20-200µl	1.0	20.0	2.5	0.7
			100.0	1.0	0.3
			200.0	0.6	0.2

CALIBRATION & SPECIFICATIONS CONFORMING TO ISO 8655 STANDARDS



# VARIABLE VOLUME

MICROPIPETTES

## **FULLY AUTOCLAVABLE**

In order to keep pace with the rapid progress made in research sector in recent years, MICROLIT has made one logical step further and proudly presents the new, high precision micropipette series for today's sophisticated users in the field of Molecular biology, Microbiology, Immunology, cell culture, Analytical Chemistry, Biochemistry, Genetics etc.





### SPECIFICATIONS & ORDERING INFORMATION

Fully Autoclavable Variable Volume Micropipettes

Model	Volume Range	Inc.	Vol. μΙ	Acc.	CV ≤%
FAA-2	0.2-2.0µl	0.01	0.2	12.0	6.0
			1.0	2.5	1.5
			2.0	1.5	0.7
FAA-10	0.5 - 10 µl	0.1	0.5	5.0	2.8
			5.0	1.5	0.8
			10.0	1.0	0.4
FAA-20	2-20 µl	0.1	2.0	5.0	1.5
			10.0	1.0	0.6
			20.0	1.0	0.3

Model	Volume Range	Inc.	Vol. μΙ	Acc.	CV ≤%
FAA-50	5 - 50 µl	1.0	5.0	2.5	1.5
			25.0	0.7	0.3
			50.0	0.7	0.3
FAA-100	10-100µl	1.0	10.0	2.5	0.7
			50.0	0.8	0.3
			100.0	8.0	0.15
FAA-200	20-200µl	1.0	20.0	2.5	0.7
			100.0	1.0	0.3
			200.0	0.6	0.2

CALIBRATION & SPECIFICATIONS CONFORMING TO ISO 8655 STANDARDS



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# **Bottle Top Dispenser**



#### Classic & Research Models

Microlit Bottle top dispenser is genius of its strong R& D base . responding to the needs of the present generation , microlit is proud to offer its New Bottle top Dispensers in two versions : classic and Research which is an unique combination of affordable pricing and high performance

**Classic Models:** Wetted parts are PP, borosilicate Glass and FEP. Suitable for routine laboratory application

**Research models:** All wetted parts are PTFE , FEP and borosilicate glass only .this can be used for all laboratory reagent application.

Simple design clubbed with variety of useful feature makes microlit Bottle Top Dispensing an obvious choice for all dispensing needs

High precision and accuracy is ensured though careful selection of component raw material and several stages of strict quality checks during manufacturing process.

Each instrument is individually calibrated in accordance with ISO 8655 standards and comes with Individual Calibration certificate.

#### **GENERAL PRODUCT INFORMATION:-**

Description	Classic Models	Research models				
Piston	PTFE	PTFE				
Cylinder	Glass	Glass				
Volume adjustment knob	Screw Types	Screw Types				
Valve Housing	Polypropylence	PTFE				
Valve assembly	Glass ball & Seat	Glass ball & Seat				
Discharge assembly	PTFE	PTFE				
Delivery tube	FEP	FEP				
Inlet tube	FEP	FEP				
Calibration	Individually Calibrated and certified in lab easy calibration by user is also possible.					
Accuracy & Reproducibility	In accordance with ISO 8655 atandards					
Compatibility	Good for routine lab application	Excellent Compatibility with all reagent except hf				

#### FEATURES: CLASSIC & Research models:-

- Both classic and reasech models have five adjectable volume sizes:
   (a)0.25 2.5 ml
   (b) 0.5-5.0 ml
   (c) 1.0-10.0 ml
   (d) 2.5 -30 ml
   (e) 5.0-60.0 ml
- Easy to use ,simple contruction and smoth , effortless plunger movement for bubble free dispensing.



• Piston: Specially designed PTFE piston with silicone O-ring ensures wiper –like sooth, effortless piston movement and high accuracy.



• Each instrment comes with five adaptors to fit in most of the labaratory reagent bottels. Standards threads: 30mm

Adaptors: 28mm, 32mm, 36mm, 40mm and 45mm



• Nozzle cap prevents only unwanted drop on the work sapce.



- Easy to dis-assemble for cleaning and servicing.
- Glass barrel is protected by a polypropylene sleeve.It also ensures no glass splitting in case of any accidental breakage.
- Valve Manifold: specially designed, springless, single piece PTFE valve manifold in the research model ensures excellent chemical compatibility, leak proof valve functioning and excellent reproductibility.



• Instrument is fully autoclavable at 121°C, 15 psi. No need for dis-assembling the instrument for autoclaving.

• Screw type volume adjustment knob with large pointer ensures precise, easy and quick volume adjustment.



• Calibration : Specially designed universal calibration tool is provided for convenient and quick In-lab user re-calibration. This is in compliance with GLO/ISO Norms.



BT Adaptors included . . . to FIT GL-45, GL-33 and others

#### Classic Discontinued 2012 - Research Model ONLY

	Model No.		Vol.		I:	ISO 8655 Specifications			Microlit Specification			
	Classic Model	Research Model	Range	Increment	Accuracy		CV		Accuracy		CV	
Price AUD					± %	± ml	± %	± ml	± %	± ml	± %	± ml
195.00	BTD-1	BTDR-1	0.25- 2.5 ml	0.05 ml	0.6	0.015	0.2	0.005	0.6	0.015	0.2	0.005
195.00	BTD-2	BTDR-2	0.5-5 ml	0.1 ml	0.6	0.030	0.2	0.010	0.5	0.025	0.1	0.005
195.00	BTD-3	BTDR-3	1-10 ml	0.2 ml	0.6	0.060	0.2	0.020	0.5	0.050	0.1	0.010
220.00	BTD-4	BTDR-4	2.5-30 ml	0.5 ml	0.6	0.180	0.2	0.060	0.5	0.150	0.1	0.030
240.00	BTD-5	BTDR-5	5-60 ml	1.0 ml	0.6	0.360	0.2	0.120	0.5	0.300	0.1	0.060

### **GL-45 Bottles** 250, 500, 1-Liter

CT-GBGL45-1000: \$28.00

CT-GBGL45-250: \$12.00

CT-GBGL45-500: \$18.00

