

## Cryogenic Vials

Designed for safe, ultra-low temperature storage, Alpha has three ranges of CE marked cryogenic storage vials.



All products in this range are certified free from RNase, DNase, pyrogens and DNA. Alpha Laboratories' cryogenic vials come in either free-standing or round-bottom base designs.

■ **Strong vial and cap** – a special grade of polypropylene, chosen for its consistent strength, is used to make all our vials. As a result, both vial and cap can withstand the harsh -196C temperature of vapour phase liquid nitrogen.  
*Please note that they are not designed for use in the liquid phase.*

■ **Secure seal** – the cap and tube are made from the same material so with temperature change, they shrink and expand in unison. Tested leakproof to 95kPa.

■ **Fast opening/closing** – 1¼ turns is all that is required to close the cap securely. This is important when large quantities of vials are being used because it saves time and means there is less chance of the cap not being closed securely.

■ **Simple one-handed operation** – all free-standing vials, when used with a workstation, enable you to unscrew vials with one hand.

■ **Sterile** – all vials are gamma irradiated to ensure absolute sterility.

sterile

■ **Certified free from RNase, DNase, Pyrogens, human DNA and metals**



■ **Clear graduations** – at 100µl intervals to facilitate reading of your sample volume.

■ **Large white marking area** – for sample labelling and identification.

■ **Free-standing and locking base** – stand the vials on the bench or use them one-handed in a workstation.

■ **Supplied in tamper-evident, resealable bag** – clean and sterile.

■ **Cap insert** – available in 11 different colours. Perfect for colour coding.



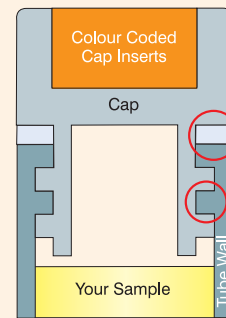
*Not compatible with LW3439.*

### Coloured Cap Inserts

| Catalogue Number | Description                         | Pack Size |
|------------------|-------------------------------------|-----------|
| LW3339B          | Cryogenic Vial Cap Insert, Blue     | 500       |
| LW3339G          | Cryogenic Vial Cap Insert, Green    | 500       |
| LW3339V          | Cryogenic Vial Cap Insert, Violet   | 500       |
| LW3339R          | Cryogenic Vial Cap Insert, Red      | 500       |
| LW3339W          | Cryogenic Vial Cap Insert, White    | 500       |
| LW3339Y          | Cryogenic Vial Cap Insert, Yellow   | 500       |
| LW3339O          | Cryogenic Vial Cap Insert, Orange   | 500       |
| LW3339P          | Cryogenic Vial Cap Insert, Pink     | 500       |
| LW3339GR         | Cryogenic Vial Cap Insert, Grey     | 500       |
| LW3339AS         | Cryogenic Vial Cap Insert, Assorted | 500       |

## 'The Classic' Range

– designed for basic security

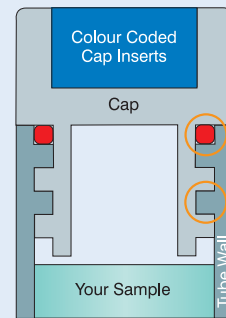
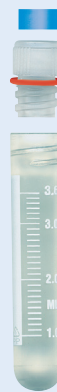


Silicone sealing washer compressed on three sides

Internal thread on tube holds the cap tightly in place

## 'Feel the Seal' Range

– ideal for storage of large batches

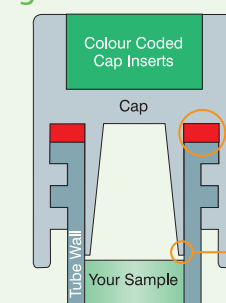


Silicone O-ring secures tightly against inner tube wall

Internal thread on tube holds the cap tightly in place

## 'Ultimate Security' Range

– dual washer and flange for the highest level of sample security



Silicone sealing washer compressed on all four of its sides

Internal flange secures the seal and reduces the risk of contaminating the cap

## 'High Capacity' Range

– ideal for larger samples

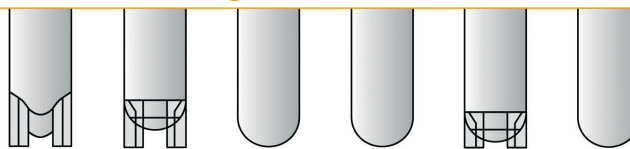


## Internally Threaded – with Silicone Washer

Designed to improve safety compared with standard screw cap microcentrifuge tubes. 'The Classic' uses a square section washer that compresses tightly between the cap and top of the tube wall.



### Free-standing or Round Bottom Bases



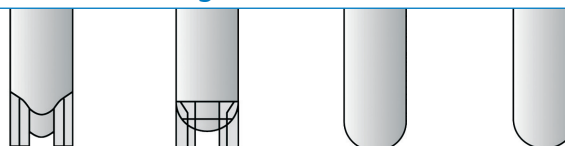
| Catalogue Number    | LW3332    | LW3334    | LW3335    | LW3336    | LW3337    | LW3338    |
|---------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| Working Volume (ml) | 1.0       | 2.0       | 2.0       | 3.6       | 3.6       | 5.0       |
| Size (mm)           | 12.5 x 41 | 12.5 x 49 | 12.5 x 48 | 12.5 x 70 | 12.5 x 72 | 12.5 x 90 |
| Free-Standing       | ●         | ●         |           |           | ●         |           |
| Round Bottom        |           |           | ●         | ●         |           | ●         |
| Pack Size           | 100       | 100       | 100       | 100       | 100       | 100       |

## Internally Threaded – with Silicone O-Ring

It's true, you really can feel when the cap is securely closed. Ideal when storing important samples in large batches.



### Free-standing or Round Bottom Bases



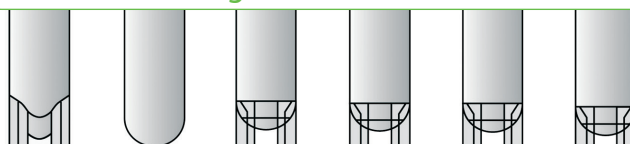
| Catalogue Number    | LW3532    | LW3534    | LW3535    | LW3538    |
|---------------------|-----------|-----------|-----------|-----------|
| Working Volume (ml) | 1.2       | 2.0       | 2.0       | 5.0       |
| Size (mm)           | 12.5 x 41 | 12.5 x 49 | 12.5 x 48 | 12.5 x 90 |
| Free-Standing       | ●         | ●         |           |           |
| Round Bottom        |           |           | ●         | ●         |
| Pack Size           | 100       | 100       | 100       | 100       |

## Externally Threaded – with Flange/Washer Combination

This unique combination of square section sealing washer and internal cap flange provides the highest level of security for your most precious samples.



### Free-standing or Round Bottom Bases



| Catalogue Number    | LW3432    | LW3435    | LW3434    | LW3436    | LW3437    | LW3438    |
|---------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| Working Volume (ml) | 1.0       | 1.8       | 1.8       | 3.0       | 3.8       | 4.5       |
| Size (mm)           | 12.5 x 42 | 12.5 x 47 | 12.5 x 49 | 12.5 x 71 | 12.5 x 77 | 12.5 x 91 |
| Free-Standing       | ●         |           | ●         | ●         | ●         | ●         |
| Round Bottom        |           | ●         |           |           |           |           |
| Pack Size           | 100       | 100       | 100       | 100       | 100       | 100       |

## Externally Threaded – High Capacity

Our jumbo, free-standing, externally threaded cryovials have a working volume of 9.5ml. They are gamma irradiated and certified free from RNase, DNase, Pyrogens and Human DNA. Featuring volume graduations and a large labelling area, these tubes offer a high level of security for your valuable samples.



### Free-standing Base



|                     |         |
|---------------------|---------|
| Catalogue Number    | LW3439  |
| Working Volume (ml) | 9.5     |
| Size (mm)           | 17 x 84 |
| Free-Standing       | ●       |
| Pack Size           | 2 x 50  |

## Cryogenic Storage

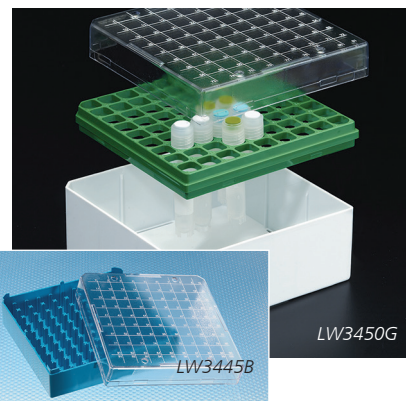
### Cryoboxes

Made of extra-strong polycarbonate, these durable cryogenic storage boxes are designed to be used at temperatures between -196°C and +121°C. Three different models are available to accommodate 25, 81 or 100 cryogenic vials from 1.2 to 5ml.

A transparent cover allows the user to see the contents of the box and is keyed to the base to prevent misalignment. Printed with a series of squares (numbered from 1 to 25, 1 to 81 or 1 to 100) the surface accepts writing with markers, facilitating inventory control.

The 25 and 81 place Cryoboxes have unique coloured plastic grids to separate the cover from the base. For 100-place boxes, a coloured base instead of a grid is used. An innovative vial-picker is supplied with each storage box for quick removal of vials.

- Stackable
- Four colours available for better colour-coding
- Drain-holes under base
- Made to fit metal racks
- Air-vents minimise condensation
- Temperature range -196°C to +121°C
- Vials visible through transparent cover



#### Cryoboxes

| Catalogue Number | Description                                    | Dimensions       | Pack Size |
|------------------|--|------------------|-----------|
| LW3455B*         | 25 Position Cryobox 1.0 - 2.0ml Vials, Blue    | 76 x 72 x 52mm   | 8 boxes   |
| LW3440B*         | 81 Position Cryobox 1.0 - 2.0ml Vials, Blue    | 133 x 133 x 52mm | 4 boxes   |
| LW3450B*         | 81 Position Cryobox 3.0 - 5.0ml Vials, Blue    | 133 x 133 x 95mm | 5 boxes   |
| LW3445B*         | 100 Position Cryobox 1.0 - 2.0ml Vials, Blue † | 133 x 133 x 52mm | 4 boxes   |

\* Other colours available. Please see our website. † Only suitable for internally threaded cryovials

### Cryogenic Vial Workstation

Made from durable polypropylene, each rack will securely hold up to 50 vials.

Each Well houses an integral locking ring that couples with the locking base of all our free-standing cryogenic vials to prevent it from rotating when unscrewing the cap – perfect for when your other hand has a pipette in it!



- Anti-skid rubber feet for safety
- 50 alpha-numerically indexed vial positions
- Tough polypropylene construction ensures durability
- Strong handles make racks easy and safe to carry



#### Cryogenic Vial Workstations

| Catalogue Number | Description                      | Pack Size |
|------------------|----------------------------------|-----------|
| LW3400B          | Cryogenic Vial Workstation, Blue | 4         |
| LW3400R          | Cryogenic Vial Workstation, Red  | 4         |

### Cryogenic Vial Storage Canes



These strong, durable storage canes are made from aluminium and can accommodate up to five 1.2 or 2.0ml internally threaded cryovials. They allow convenient storage in liquid nitrogen vessels such as Dewar flasks.

#### Cryogenic Vial Storage Canes

| Catalogue Number | Description              | Pack Size |
|------------------|--------------------------|-----------|
| LW3430           | Storage Cane, 290mm long | 12        |