AltemisLab

Sample storage, identification & handling

Product catalogue

AltemisLab

Streamline sample storage, identification and handling with AltemisLab™

Founded by an experienced team with considerable industry knowledge. AltemisLab utilises this expertise to deliver the highest quality products and exceptional service.

Helping customers to map workflows and identify the tools that will realise practical, financial and time saving benefits.

The founders of AltemisLab have been working with 2D barcoded tubes since 2000, when this technology was first used by pharmaceutical companies for compound storage.

AltemisLab 2D barcoded tubes, barcode readers, de-capping and capping equipment, liquid handling and lab tools epitomise efficiency and ease of use. With AltemisLab you can rest assured that compliance, quality control and manufacturing excellence are at the foundation of all that we do.

A commitment to only work with the best

AltemisLab is delighted to partner with Avidien.

Avidien specialise in precision liquid handling products and their mission is to create innovative solutions that simplify the tasks of researchers and technicians.

AltemisLab

Contents

AlteTube™

Superior quality 2D barcoded tubes to assist sample identification

The founders of AltemisLab have been working with 2D barcoded tubes since 2000, when this technology was first used by pharmaceutical companies for compound storage.

Using our knowledge and experience we have set out to perfect 2D tube design and we are proud to introduce our AlteTube™ range of sample storage tubes.

Whatever your need, if you have a new sample storage requirement or if you are considering an automated system, we have the sample tube solution for you.

Transforming lab technique

High quality 2D barcoded tubes to assist sample identification

Quality checked

Every tube meets our exacting standards for readability. Every barcode is checked to guarantee uniqueness across the AlteTube™ range.

Razor-sharp clarity

Precise design and manufacturing ensure all tubes and rack lids have exceptional transparency.

Product development

Creating new and custom product solutions to meet future demands.

Purity assurance

Clean room production. All tubes are manufactured from medical grade virgin polypropylene and certified DNA, RNA, DNase, RNase, Endotoxin (Pyrogen) free.

Additive free

AlteTube™ products and packaging components are certified free from heavy metals, phthalates, latex, and Bisphenol A.

Quality management

Our manufacturing facility is ISO 9001:2015 and ISO 14001:2015 accredited.

AlteTube™
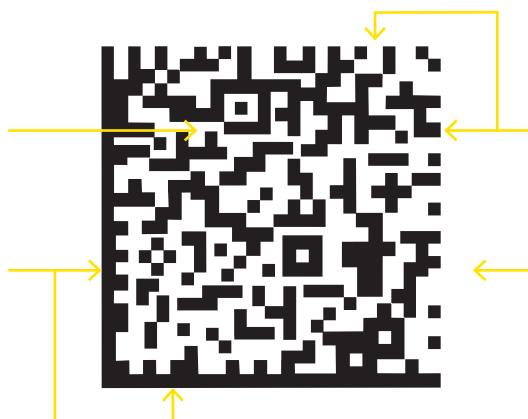## 2D DataMatrix barcodes adhere to the ECC200 standard

Anatomy of a 2D DataMatrix barcode

Modules
Black and white squares represent the data.

Finder bars
L-shaped frame that locates the code.

Clock pattern
Dotted lines enable decoding of the pattern.

Quiet zone
Prevents any visual interference.

Code recovery built into ECC200
Reed-Solomon error correction reconstructs and verifies data for improved accuracy. DataMatrix codes can still be decoded if damaged by 30%.

Benefits of 2D DataMatrix barcodes
— Never misreads or reports a wrong number.
— Readable at contrast levels as low as 20%.
— Significantly smaller compared to 1D barcodes.

Ensure sample safety with AlteTubes™

The correct size and purity level of your sample storage consumables is critical for protecting the integrity of your samples. The AltemisLab team is happy to advise and help you make an informed decision on which tube size and purity level is correct for your samples and workflow.

What is the difference between AlteClean™ and AlteClean™ Sterile products?

AlteClean™

Manufactured in a clean room environment and certified free of non-viable biologics. AlteClean consumables exhibit no detectable DNA, RNA, DNase, RNase, or endotoxins.

AlteClean™ Sterile

We use E-beam sterilisation which inactivates microorganisms either by causing microbial death as a direct effect of the destruction of a vital molecule or by an indirect chemical reaction. This is done in addition to AlteClean™.

Purity level guidance by application

AlteClean™		AlteClean™ Sterile
DNA & RNA sequencing	Molecular Biology	Cell Culture
Genomics	Gene Therapy	Microbiology
Proteomics	Biotherapeutics	Plant or Animal derived products

Consideration of the sample volume, sample type and storage conditions are key when choosing the correct tube size

Samples with a high-water content, including biological samples, increase in volume as they freeze. This expansion should be accounted for when selecting sample tubes. Our recommended maximum sample working volume for each tube size can be found on the tube specification pages and we provide tube samples for your own in-house verification.

AlteTube™

Septum cap tubes in 96 SBS rack format
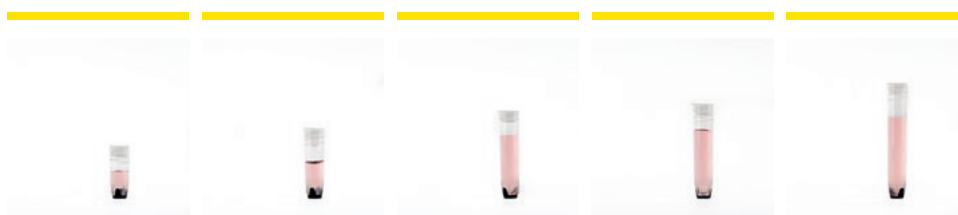
	0.5ml Septum cap	0.75ml Septum cap	0.75ml Septum cap [only]	1.1ml Septum cap	1.4ml Septum cap
Thread type	Internal	Internal	N/A	Internal	Internal
Max working volume - ml	0.35	0.59	0.65	0.85	0.99
Min storage temperature - °C	-80	-80	-80	-80	-80
Tube height - mm	20	27	33.5	36.5	44
Tube height with cap - mm	21	28	34.5	37.5	45
Inner diameter - mm	6.8	6.8	6.8	6.8	6.8
Outer diameter with cap - mm	8.4	8.4	8.4	8.4	8.4
Tube centre to centre - mm	9.0	9.0	9.0	9.0	9.0
Identification	2D DataMatrix barcode on base				
2D DataMatrix barcode	White on black, 3mm x 3mm, 2 alpha prefix (AL) & 8 numeric Custom prefix available / Black on white available				
Capping options	Septum caps				
Sterility options	AlteClean™/Sterile (E-Beam)/ Ethylene Oxide (EtO) on request				
Rack format	8 x 12 - SBS (96 tubes)				
Rack material	Polypropylene base with polycarbonate lid				
Rack height with lid - mm	26	31	39	44	50
Case quantity	Bulk packed tubes, no cap – 960/case Racked tubes, no cap – 96/rack, 10 racks/case Septum caps – 10 mats/case Empty racks – 10 racks/case				

For research use only.
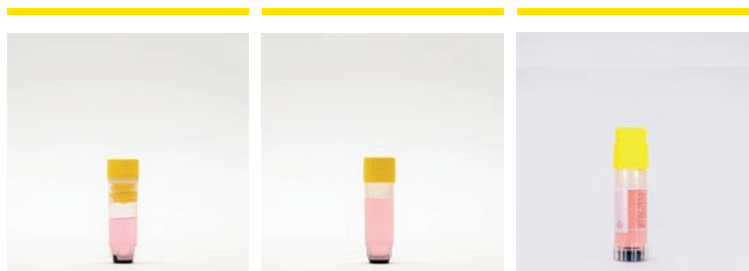
AlteTube™

Screw cap tubes in 96 SBS rack format

	0.5ml Screw cap	0.75ml Screw cap	0.75ml Screw cap	1.1ml Screw cap	1.4ml Screw cap	1.4ml Screw cap
Thread type	Internal	Internal	External	Internal	Internal	External
Max working volume - ml	0.3	0.49	0.55	0.75	0.92	0.95
Min storage temperature - °C	-196	-196	-196	-196	-196	-196
Tube height - mm	20	27	29.5	36.5	44	46.1
Tube height with cap - mm	27	34	32.5	43.5	51	49.1
Inner diameter - mm	6.8	6.8	6.5	6.8	6.8	6.5
Outer diameter with cap - mm	8.4	8.4	8.5	8.4	8.4	8.5
Tube centre to centre - mm	9.0	9.0	9.0	9.0	9.0	9.0
Identification	2D DataMatrix barcode on base					
2D DataMatrix barcode	White on black, 3mm x 3mm, 2 alpha prefix (AL) & 8 numeric Custom prefix available / Black on white available					
Capping options	Screw caps					
Sterility options	AlteClean™/Sterile (E-Beam)/ Ethylene Oxide (EtO) on request					
Rack format	8 x 12 - SBS (96 tubes)					
Rack material	Polypropylene base with polycarbonate lid					
Rack height with lid - mm	31	37	37	50	55.5	55.5
Case quantity	Bulk packed tubes, no cap – 960/case Bulk packed tubes, precapped – 960/case Racked tubes, no cap – 96/rack, 10 racks/case Racked tubes, precapped – 96/rack, 10 racks/case Bulk screw caps – 960/case Empty racks – 10 racks/case Cap carriers – 10 carriers/case					

Warning : Caps should not be immersed in Liquid Nitrogen. AlteTubes should be stored in gas phase Liquid Nitrogen (GPLN) only. For research use only.

AlteTube™

Screw cap tubes in 48 SBS rack or large rack format

	1.2ml Screw cap	1.2ml Screw cap	1.8ml Screw cap
Thread type	Internal	External	External
Max working volume - ml	1.2	1.2	1.5
Min storage temperature - °C	-196	-196	-196
Tube height - mm	40	41	39.95
Tube height with cap - mm	49.4	42.9	47.2
Inner tube diameter - mm	10.8	9.62	9.48
Outer diameter with cap - mm	12.3	12.3	12.6
Tube centre to centre - mm	13.5	13.5	n/a
Identification	2D DataMatrix barcode on base		2D DataMatrix barcode on base, 1D barcode and human readable code on side
2D DataMatrix barcode	White on black, 3mm x 3mm, 2 alpha prefix (AL) & 8 numeric Custom prefix available / Black on white available		
Capping options	Screw caps		
Sterility options	AlteClean™/Sterile (E-Beam)/ Ethylene Oxide (EtO) on request		
Rack format	8 x 12 - SBS (48 tubes) / 9 x 9 (81 tubes)		9 x 9 (81 (tubes) / 10 x 10 (100 tubes)
Rack material	Polycarbonate with polypropylene lid		
SBS Rack height with lid - mm Large format rack height with lid - mm	47.6 52	47.6 52	52 52.4
Case quantity	Bulk tubes, precapped – 480/case Racked tubes, precapped – 48/rack, 10 racks/case Empty SBS 48 racks – 10 racks/case Empty large format racks (9x9) – 1 rack/case		Bulk tubes, precapped – 50/bag, 10 bags/case Empty large format racks (10x10) - 1 rack/case

Warning : Caps should not be immersed in Liquid Nitrogen. AlteTubes should be stored in gas phase Liquid Nitrogen (GPLN) only. For research use only.

AlteTube™

Screw cap tubes in 48 SBS rack or large rack format

	2ml Screw cap	2ml Screw cap	5ml Screw cap	5ml Screw cap
Thread type	Internal	External	Internal	External
Max working volume - ml	2.0	2.0	4.5	4.5
Min storage temperature - °C	-196	-196	-196	-196
Tube height - mm	40	47.5	77.5	84.9
Tube height with cap - mm	49.4	49.4	86.5	86.9
Inner tube diameter - mm	10.86	9.62	10.86	9.62
Outer diameter with cap - mm	12.3	12.3	12.3	12.3
Tube centre to centre - mm	13.5	13.5	13.5	13.5
Identification	2D DataMatrix barcode on base			
2D DataMatrix barcode	White on black, 3mm x 3mm, 2 alpha prefix (AL) & 8 numeric Custom prefix available / Black on white available			
Capping options	Screw caps			
Sterility options	AlteClean™/Sterile (E-Beam)/ Ethylene Oxide (EtO) on request			
Rack format	8 x 12 - SBS (48 tubes) / 9 x 9 (81 tubes)			
Rack material	Polycarbonate with polypropylene lid			
SBS Rack height with lid - mm Large format rack height with lid - mm	54.1 52	54.1 52	91.8 90	91.8 90
Case quantity	Bulk tubes, precapped – 480/case Racked tubes, precapped – 48/rack, 10 racks/case Empty SBS 48 racks – 10 racks/case Empty large format racks (9x9) - 1 rack/case			

Warning : Caps should not be immersed in Liquid Nitrogen. AlteTubes should be stored in gas phase Liquid Nitrogen (GPLN) only. For research use only.

AlteTube™

2D barcoded tubes

Innovative manufacturing process

AlteTube SBS format tubes are manufactured by a highly specialised and automated process, known as dual injection. Dual injection optimises copolymerisation of clear and black polypropylene during one cycle. Creating a powerful molecular bond between the clear tube and the black base. The result is the single piece AlteTube.

Permanent 2D barcode

The 2D DataMatrix barcode is laser etched on the black base of the tube. This highly durable 2D barcode is designed to survive in the harshest of lab environments.

It's all about the closure

Internal thread screw caps

Manufactured by dual injection of ThermoPlastic Elastomer (TPE) and medical grade polypropylene.

Exceptional performance

One-piece cap provides a superior fixed seal. Eliminating the risk of leakage or cross-threading.

External thread screw caps

Increased working sample volume per tube compared to internal thread tubes in most storage conditions.

Clever cap design

Works to provide a deforming compression seal from a thread which secures very quickly.

Septum cap mats

96 individual TPE caps for 96 SBS format tubes.

Easy application and removal

Flexible backing mat allows simultaneous capping of 96 tubes. Automation friendly.

AlteTube™
2D barcoded SBS racks
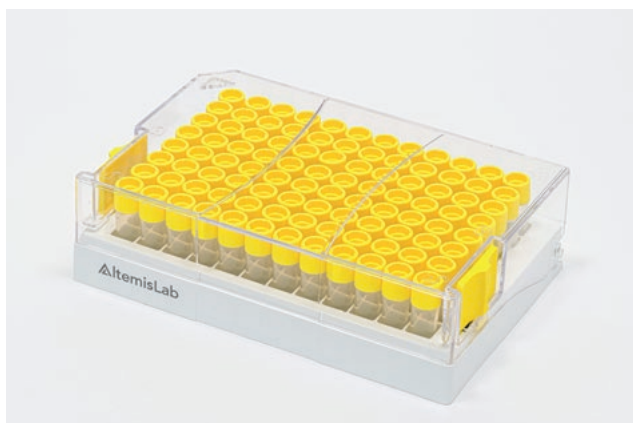
SBS format racks
Store 96 tubes in 8 x12 rack format or 48 tubes in 8 x 6 rack format. Compatible with automation equipment for processing of 6, 8, 12, 48 or 96 tubes.

International SLAS/ANSI standards
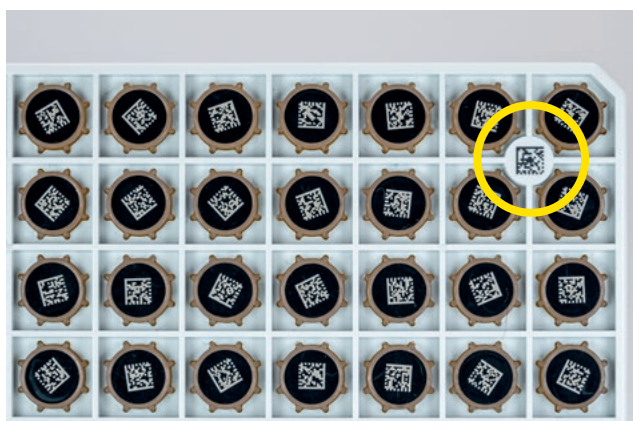Rack tolerances are precisely checked using advanced measuring equipment.

Robust and durable
Made from polypropylene base and polycarbonate lid.

Temperature range
-196°C to 121°C.

Rack identification
Individual racks are identified by one unique code in three formats. Embedded 2D barcode on the rack base with matching 1D barcode and human readable code on the rack – A1 short side.
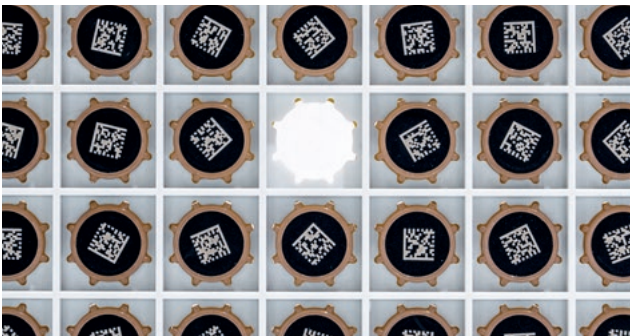
100% quality checks
Every rack barcode is checked for readability and uniqueness across the AlteTube range.

Anti-rotate rack

Tubes grip in place allowing easy capping or decapping by hand or with automation equipment.

Locking lid

Securely closed lids for storage and shipping of samples.

Hinged and detachable lid

Access tubes in 96 SBS racks with lid hinged or completely detached for full access by automation equipment.

Completely detachable lid

Full access to tubes in 48 SBS racks for processing by hand or automation equipment.

AlteTube™

Cap carriers for screw caps

Cap carrier

Screw caps packaged in 96 and 48 SBS format. A1 lasered mark for correct orientation.

Automation friendly

For seamless automated capping of internal and external thread screw caps in 96 and 48 SBS formats.

Compatibility

Works with AlteCap Solo, Switch, Swift and Hamilton LabElite™ and a variety of automated, semi-automated or handheld devices.

AlteTube™

2D barcoded large format racks

Large format racks
Store 81 tubes in a 9x9 format or 100 tubes in 10x10 format racks.

Anti-rotate rack
Tubes grip in place allowing easy capping or decapping by hand.

Robust and durable
Made from polycarbonate.

Rack identification
Embedded 2D barcode on the rack base with matching 1D barcode and human readable code on the rack wall.

Sample tracking
Capture and decode 81 or 100 tube 2D barcodes simultaneously on a large format rack barcode reader.

Temperature range
-196°C to 121°C.

0.5ml Septum cap AlteTube™
96 SBS rack format

|	0.5ml Septum cap
Max working volume - ml	0.35
Min temperature - °C	-80
Tube height - mm	20
Tube height with TPE cap - mm	21
Inner diameter - mm	6.8
Outer diameter - mm	8.4
Identification	2D DataMatrix barcode
Rack format	8 x 12 - SBS (96 tubes)
Rack height with lid - mm	26
Sterility options	AlteClean™ Sterile (E-Beam) Ethylene Oxide on request
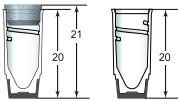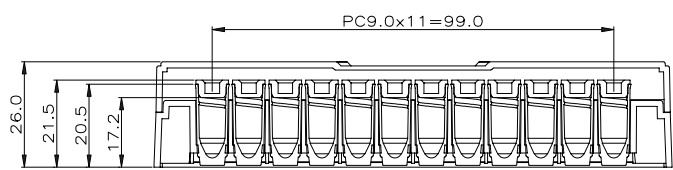
Part No.	Description	Packaging
201000	0.5ml 2D barcoded internal thread storage tube, no cap, AlteClean	Bulk packed 960 tubes/case
201004	0.5ml 2D barcoded internal thread storage tube, SBS rack format, no cap, AlteClean	Racked 96 tubes/rack 10 racks/case
201900	TPE Septum caps for 96 SBS rack format tubes, automation friendly, white, AlteClean	96/mat 10 mats/case
201501	Empty SBS 96 format rack for 0.5ml 2D barcoded storage tubes, for use with TPE septum cap only, AlteClean	Racked 96 tubes/rack 10 racks/case

0.75ml Septum cap AlteTube™
96 SBS rack format

|	0.75ml Septum cap
Max working volume - ml	0.59
Min temperature - °C	-80
Tube height - mm	27
Tube height with TPE cap - mm	28
Inner diameter - mm	6.8
Outer diameter - mm	8.4
Identification	2D DataMatrix barcode
Rack format	8 x 12 - SBS (96 tubes)
Rack height with lid - mm	31
Sterility options	AlteClean™ Sterile (E-Beam) Ethylene Oxide on request
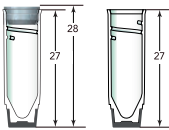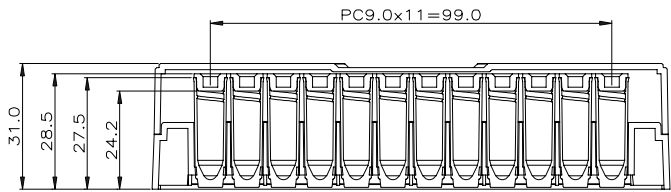
Part No.	Description	Packaging
201012	0.75ml 2D barcoded internal thread storage tube, no cap, AlteClean	Bulk packed 960 tubes/case
201018	0.75ml 2D barcoded internal thread storage tube, SBS rack format, no cap, AlteClean	Racked 96 tubes/rack 10 racks/case
201900	TPE Septum caps for 96 SBS rack format tubes, automation friendly, white, AlteClean	96/mat 10 mats/case
201503	Empty SBS 96 format rack for 0.75ml 2D barcoded storage tubes, for use with TPE septum cap only, AlteClean	Racked 96 tubes/rack 10 racks/case

0.75ml Septum cap [only] AlteTube™
96 SBS rack format

|	0.75ml Septum cap [only]
Max working volume - ml	0.65
Min temperature - °C	-80
Tube height - mm	33.5
Tube height with TPE cap - mm	34.5
Inner diameter - mm	6.8
Outer diameter - mm	8.4
Identification	2D DataMatrix barcode on tube base
Rack format	8 x 12 - SBS (96 tubes)
Rack height with lid - mm	39
Sterility options	AlteClean™ Sterile (E-Beam) Ethylene Oxide on request
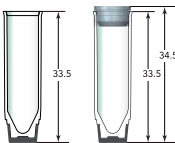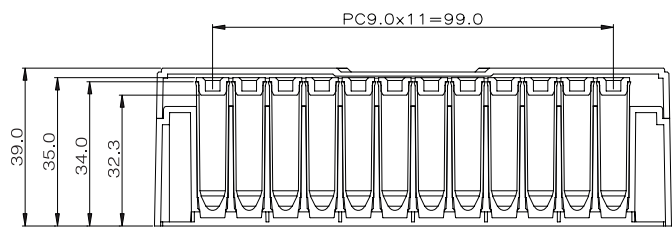
Part No.	Description	Packaging
201014	0.75ml 2D barcoded no thread storage tube, no cap, AlteClean	Bulk packed 960 tubes/case
201022	0.75ml 2D barcoded no thread storage tube, SBS rack format, no cap, AlteClean	Racked 96 tubes/rack 10 racks/case
201900	TPE Septum caps for 96 SBS rack format tubes, automation friendly, white, AlteClean	96/mat 10 mats/case
201504	Empty SBS 96 format rack for 0.75ml TPE septum cap only 2D barcoded storage tubes, AlteClean	Racked 96 tubes/rack 10 racks/case

1.1ml Septum cap AlteTube™
96 SBS rack format

|	1.1ml Septum cap
Max working volume - ml	0.85
Min temperature - °C	-80
Tube height - mm	36.5
Tube height with TPE cap - mm	37.5
Inner diameter - mm	6.8
Outer diameter - mm	8.4
Identification	2D DataMatrix barcode
Rack format	8 x 12 - SBS (96 tubes)
Rack height with lid - mm	44
Sterility options	AlteClean™ Sterile (E-Beam) Ethylene Oxide on request
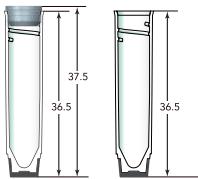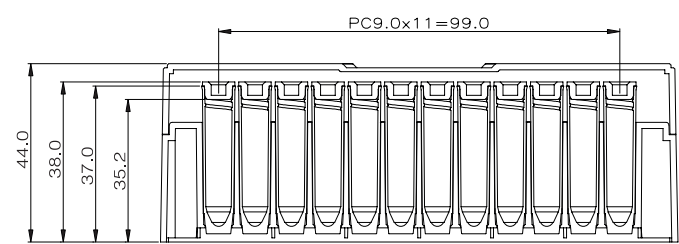
Part No.	Description	Packaging
201030	1.1ml 2D barcoded internal thread storage tube, no cap, AlteClean	Bulk packed 960 tubes/case
201034	1.1ml 2D barcoded internal thread storage tube, SBS rack format, no cap, AlteClean	Racked 96 tubes/rack 10 racks/case
201900	TPE Septum caps for 96 SBS rack format tubes, automation friendly, white, AlteClean	96/mat 10 mats/case
201506	Empty SBS 96 format rack for 1.1ml 2D barcoded storage tubes, for use with TPE septum cap only, AlteClean	Racked 96 tubes/rack 10 racks/case

1.4ml Septum cap AlteTube™
96 SBS rack format

|	1.4ml Septum cap
Max working volume - ml	0.99
Min temperature - °C	-80
Tube height - mm	44
Tube height with TPE cap - mm	45
Inner diameter - mm	6.8
Outer diameter - mm	8.4
Identification	2D DataMatrix barcode
Rack format	8 x 12 - SBS (96 tubes)
Rack height with lid - mm	50
Sterility options	AlteClean™ Sterile (E-Beam) Ethylene Oxide on request
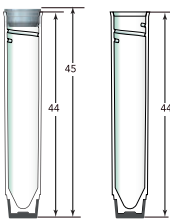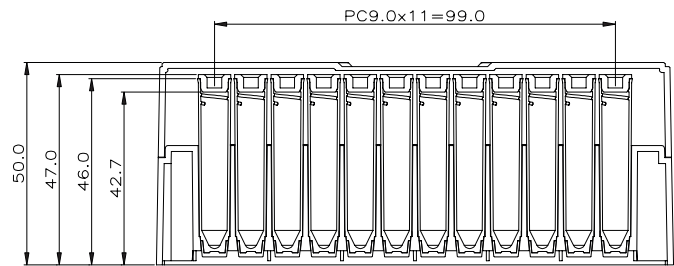
Part No.	Description	Packaging
201042	1.4ml 2D barcoded internal thread storage tube, no cap, AlteClean	Bulk packed 960 tubes/case
201046	1.4ml 2D barcoded internal thread storage tube, SBS rack format, no cap, AlteClean	Racked 96 tubes/rack 10 racks/case
201900	TPE Septum caps for 96 SBS rack format tubes, automation friendly, white, AlteClean	96/mat 10 mats/case
201508	Empty SBS 96 format rack for 1.4ml 2D barcoded storage tubes, for use with TPE septum cap only, AlteClean	Racked 96 tubes/rack 10 racks/case

0.5ml Internal thread screw cap AlteTube™
96 SBS rack format

|	0.5ml Internal screw cap
Max working volume - ml	0.3
Min temperature - °C	-196 (GPLN)
Tube height - mm	20
Tube height with screw cap - mm	27
Inner diameter - mm	6.8
Outer diameter - mm	8.4
Identification	2D DataMatrix barcode
Rack format	8 x 12 - SBS (96 tubes)
Rack height with lid - mm	31
Sterility options	AlteClean™ Sterile (E-Beam) Ethylene Oxide on request
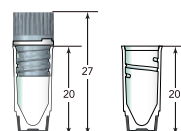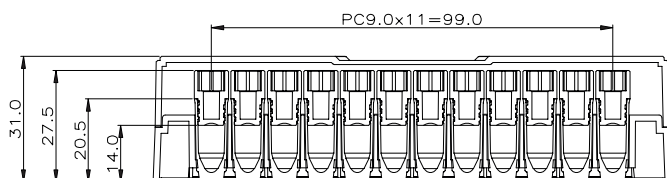
Part No.	Description	Packaging
201000	0.5ml 2D barcoded internal thread storage tube, no cap, AlteClean	Bulk packed, 960 /case
201002	0.5ml 2D barcoded internal thread storage tube, precapped with screw cap, AlteClean	Bulk packed, 960/case
201006	0.5ml 2D barcoded internal thread storage tube, SBS rack format, with high lid, no cap, AlteClean	Racked, 96/rack 10 racks/case
201008	0.5ml 2D barcoded internal thread storage tube, SBS rack format, precapped with screw cap, AlteClean	Racked, 96/rack 10 racks/case
201700	Screw cap for internal thread storage tubes, SBS 96 rack format, yellow, AlteClean	Bulk packed, 960 caps/case
201100	Empty SBS 96 format cap carrier for AlteTube screw caps, AlteClean	10 cap carriers/case
201101	SBS cap carrier prefilled with yellow internal thread AlteTube screw caps. For use with internal thread storage tubes in SBS 96 rack format, AlteClean	10 cap carriers/case
201500	Empty SBS 96 format rack for 0.5ml 2D barcoded storage tubes, AlteClean	10 racks/case

0.75ml Internal thread screw cap AlteTube™
96 SBS rack format

|	0.75ml Internal screw cap
Max working volume - ml	0.49
Min temperature - °C	-196 (GPLN)
Tube height - mm	27
Tube height with screw cap - mm	34
Inner diameter - mm	6.8
Outer diameter - mm	8.4
Identification	2D DataMatrix barcode
Rack format	8 x 12 - SBS (96 tubes)
Rack height with lid - mm	37
Sterility options	AlteClean™ Sterile (E-Beam) Ethylene Oxide on request
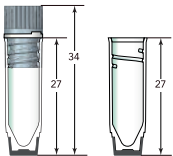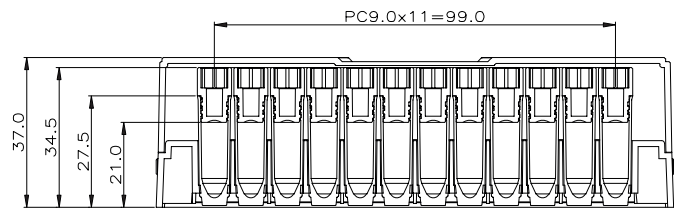
Part No.	Description	Packaging
201012	0.75ml 2D barcoded internal thread storage tube, no cap, AlteClean	Bulk packed, 960 /case
201016	0.75ml 2D barcoded internal thread storage tube, precapped with screw cap, AlteClean	Bulk packed, 960/case
201020	0.75ml 2D barcoded internal thread storage tube, SBS rack format, with high lid, no cap, AlteClean	Racked, 96/rack 10 racks/case
201024	0.75ml 2D barcoded internal thread storage tube, SBS rack format, precapped with screw cap, AlteClean	Racked, 96/rack 10 racks/case
201700	Screw cap for internal thread storage tubes, SBS 96 rack format, yellow, AlteClean	Bulk packed, 960 caps/case
201100	Empty SBS 96 format cap carrier for AlteTube screw caps, AlteClean	10 cap carriers/case
201101	SBS cap carrier prefilled with yellow internal thread AlteTube screw caps. For use with internal thread storage tubes in SBS 96 rack format, AlteClean	10 cap carriers/case
201502	Empty SBS 96 format rack for 0.75ml 2D barcoded storage tubes, AlteClean	10 racks/case

0.75ml External Thread Screw Cap AlteTube™
96 SBS rack format

|	0.75ml External screw cap
Max working volume - ml	0.55
Min temperature - °C	-196 (GPLN)
Tube height - mm	29.5
Tube height with screw cap - mm	32.5
Inner diameter - mm	6.5
Outer diameter - mm	6.5
Identification	2D DataMatrix barcode
Rack format	8 x 12 - SBS (96 tubes)
Rack height with lid - mm	37
Sterility options	AlteClean™ Sterile (E-Beam) Ethylene Oxide on request

PC9.0×11=99.0

37 32.7 29.7 27.5

32.5

29.5
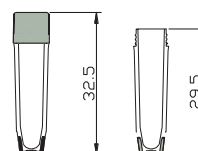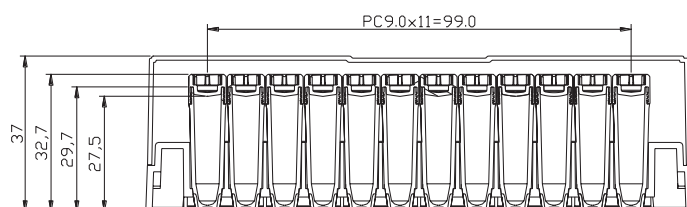
Part No.	Description	Packaging
201071	0.75mL 2D barcoded external thread storage tube, SBS rack format, no cap, AlteClean	Bulk packed, 960 /case
201072	0.75mL 2D barcoded external thread storage tube, SBS rack format, precapped with Screw Cap, AlteClean	Bulk packed, 960/case
201073	0.75mL 2D barcoded external thread storage tube, SBS rack format, no cap, AlteClean	Racked, 96/rack 10 racks/case
201075	0.75mL 2D barcoded external thread storage tube, SBS rack format, precapped with screw cap, AlteClean	Racked, 96/rack 10 racks/case
201701	Screw cap for 2D barcoded external thread storage tube, SBS 96 rack format, yellow, AlteClean	Bulk packed, 960 caps/case
201100	Empty SBS 96 format cap carrier for AlteTube screw caps, AlteClean	10 cap carriers/case
201103	SBS cap carrier prefilled with yellow external thread AlteTube screw caps. For use with external thread storage tubes in SBS 96 rack format, AlteClean	10 cap carriers/case
201502	Empty SBS 96 format rack for 0.75mL 2D barcoded storage tube, AlteClean	Rack, 10 Racks/Case

1.1ml Internal thread screw cap AlteTube™
96 SBS rack format

|	1.1ml Internal screw cap
Max working volume - ml	0.75
Min temperature - °C	-196 (GPLN)
Tube height - mm	36.5
Tube height with screw cap - mm	43.5
Inner diameter - mm	6.8
Outer diameter - mm	8.4
Identification	2D DataMatrix barcode
Rack format	8 x 12 - SBS (96 tubes)
Rack height with lid - mm	50
Sterility options	AlteClean™ Sterile (E-Beam) Ethylene Oxide on request
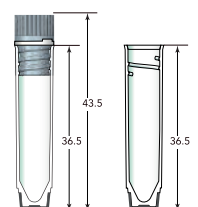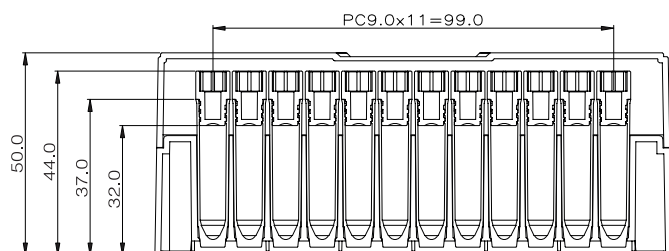
Part No.	Description	Packaging
201030	1.1ml 2D barcoded internal thread storage tube, no cap, AlteClean	Bulk packed, 960 /case
201032	1.1ml 2D barcoded internal thread storage tube, precapped with screw cap, AlteClean	Bulk packed, 960/case
201034	1.1ml 2D barcoded internal thread storage tube, SBS rack format, with high lid, no cap, AlteClean	Racked, 96/rack 10 racks/case
201038	1.1ml 2D barcoded internal thread storage tube, SBS rack format, precapped with screw cap, AlteClean	Racked, 96/rack 10 racks/case
201700	Screw cap for internal thread storage tubes, SBS 96 rack format, yellow, AlteClean	Bulk packed, 960 caps/case
201100	Empty SBS 96 format cap carrier for AlteTube screw caps, AlteClean	10 cap carriers/case
201101	SBS cap carrier prefilled with yellow internal thread AlteTube screw caps. For use with internal thread storage tubes in SBS 96 rack format, AlteClean	10 cap carriers/case
201505	Empty SBS 96 format rack for 1.1ml 2D barcoded storage tubes, AlteClean	10 racks/case

1.4ml Internal Thread Screw Cap AlteTube™
96 SBS rack format

|	1.4ml Internal screw cap
Max working volume - ml	0.92
Min temperature - °C	-196 (GPLN)
Tube height - mm	44
Tube height with screw cap - mm	51
Inner diameter - mm	6.8
Outer diameter - mm	8.4
Identification	2D DataMatrix barcode
Rack format	8 x 12 - SBS (96 tubes)
Rack height with lid - mm	55.5
Sterility options	AlteClean™ Sterile (E-Beam) Ethylene Oxide on request
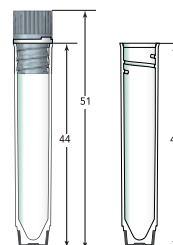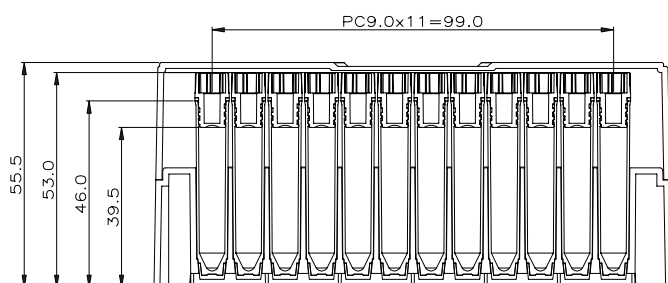
Part No.	Description	Packaging
201042	1.4ml 2D barcoded internal thread storage tube, no cap, AlteClean	Bulk packed, 960 /case
201044	1.4ml 2D barcoded internal thread storage tube, precapped with screw cap, AlteClean	Bulk packed, 960/case
201048	1.4ml 2D barcoded internal thread storage tube, SBS rack format, with high lid, no cap, AlteClean	Racked, 96/rack 10 racks/case
201050	1.4ml 2D barcoded internal thread storage tube, SBS rack format, precapped with screw cap, AlteClean	Racked, 96/rack 10 racks/case
201700	Screw cap for internal thread storage tubes, SBS 96 rack format, yellow, AlteClean	Bulk packed, 960 caps/case
201100	Empty SBS 96 format cap carrier for AlteTube screw caps, AlteClean	10 cap carriers/case
201101	SBS cap carrier prefilled with yellow internal thread AlteTube screw caps. For use with internal thread storage tubes in SBS 96 rack format, AlteClean	10 cap carriers/case
201507	Empty SBS 96 format rack for 1.4ml 2D barcoded storage tubes, AlteClean	10 racks/case

1.4ml External Thread Screw Cap AlteTube™
96 SBS rack format

|	1.4ml External screw cap
Max working volume - ml	0.95
Min temperature - °C	-196 (GPLN)
Tube height - mm	45.6
Tube height with screw cap - mm	48.6
Inner diameter - mm	6.5
Outer diameter - mm	8.5
Identification	2D DataMatrix barcode
Rack format	8 x 12 - SBS (96 tubes)
Rack height with lid - mm	55.5
Sterility options	AlteClean™ Sterile (E-Beam) Ethylene Oxide on request
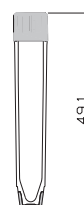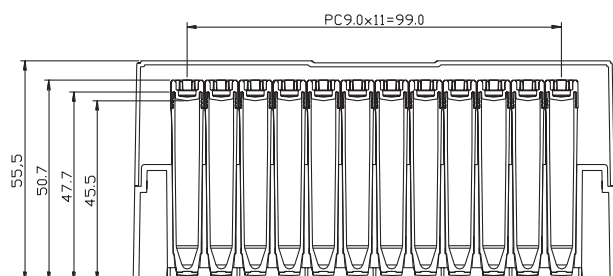
Part No.	Description	Packaging
201062	1.4ml 2D barcoded external thread storage tube, no cap, AlteClean	Bulk packed, 960/case
201063	1.4ml 2D barcoded external thread storage tube, precapped with screw cap, AlteClean	Bulk packed, 960/case
201064	1.4ml 2D barcoded external thread storage tube, SBS rack format, no cap, AlteClean	Racked, 96/rack 10 racks/case
201061	1.4ml 2D barcoded external thread storage tube, SBS rack format, precapped with screw cap, AlteClean	Racked, 96/rack 10 racks/case
201701	Screw cap for 2D barcoded external l thread storage tube, SBS 96 rack format, yellow, AlteClean	Bulk, 960 caps/case
201100	Empty SBS 96 format cap carrier for AlteTube screw caps, AlteClean	10 cap carriers/case
201103	SBS cap carrier prefilled with yellow external thread AlteTube screw caps. For use with external thread storage tubes in SBS 96 rack format, AlteClean	10 cap carriers/case
201507	Empty SBS 96 format rack for 1.4ml 2D barcoded storage tubes, AlteClean	10 racks/case

1.2ml Internal Thread Screw Cap AlteTube™
48 SBS rack format

|	1.2ml Internal screw cap
Max working volume - ml	1.2
Min temperature - °C	-196 (GPLN)
Tube height - mm	40
Tube height with screw cap - mm	49.4
Inner diameter - mm	10.8
Outer diameter - mm	10.8
Identification	2D DataMatrix barcode
Rack format	8 x 6 - SBS (48 tubes) 9 x 9 (81tubes)
Rack height with lid - mm	47.6 - SBS rack 52 - Large format rack
Sterility options	AlteClean™ Sterile (E-Beam) Ethylene Oxide on request
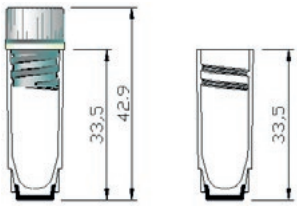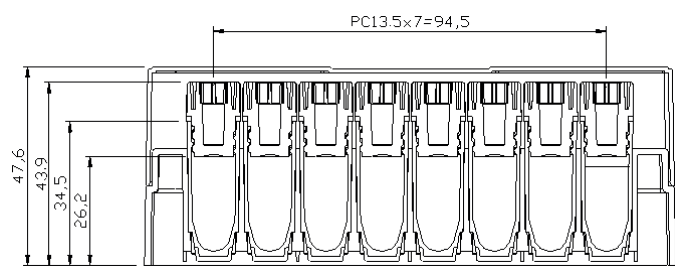
Part No.	Description	Packaging
201302-1	1.2ml 2D barcoded internal thread storage tube, precapped with screw cap, Sterile	Bulk packed 480 tubes/case
201303-1	1.2ml 2D barcoded Internal thread storage tube, SBS rack format, precapped with screw cap, Sterile	Racked, 48/rack 10 racks/case
201509	Empty SBS 48 format rack for 1.2ml 2D barcoded tubes, AlteClean	10 racks/case
201105	Empty SBS 48 format cap carrier for AlteTube screw caps, AlteClean	10 cap carriers/case
201512	Empty large format 81 rack for 1.2ml & 2ml 2D barcoded storage tubes, AlteClean	1 rack/case

1.2ml External Thread Screw Cap AlteTube™
48 SBS rack format

	1.2ml External screw cap
Max working volume - ml	1.2
Min temperature - °C	-196 (GPLN)
Tube height - mm	41
Tube height with screw cap - mm	42.9
Inner diameter - mm	9.62
Outer diameter - mm	12.3
Identification	2D DataMatrix barcode
Rack format	8 x 6 - SBS (48 tubes) 9 x 9 (81 tubes)
Rack height with lid - mm	47.6 - SBS rack 52 - Large format rack
Sterility options	AlteClean™ Sterile (E-Beam) Ethylene Oxide on request
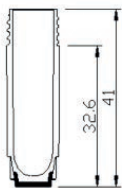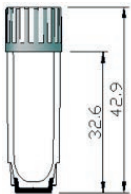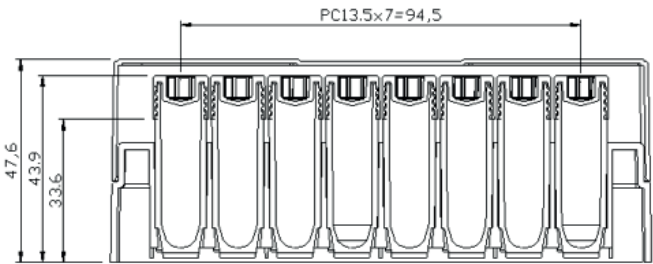
Part No.	Description	Packaging
201300-1	1.2ml 2D barcoded external thread storage tube, precapped with screw cap, Sterile	Bulk packed 480 tubes/case
201301-1	1.2ml 2D barcoded external thread storage tube, SBS rack format, precapped with screw cap, Sterile	Racked, 48/rack 10 racks/case
201509	Empty SBS 48 format rack for 1.2ml 2D barcoded tubes, AlteClean	10 racks/case
201105	Empty SBS 48 format cap carrier for AlteTube screw caps, AlteClean	10 cap carriers/case
201512	Empty large format 81 rack for 1.2ml & 2ml 2D barcoded storage tubes, AlteClean	1 rack/case

1.8ml External Thread Screw Cap AlteTube™
Large rack format

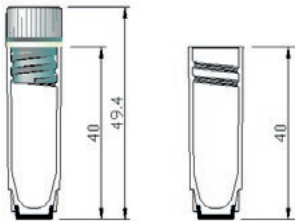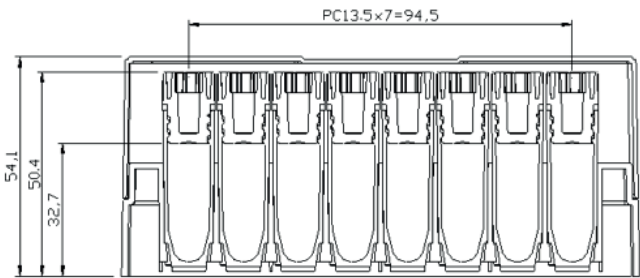|	1.8ml External screw cap
Max working volume - ml	1.5
Min temperature - °C	-196 (GPLN)
Tube height - mm	39.95
Tube height with screw cap - mm	47.2
Inner diameter - mm	9.48
Outer diameter - mm	12.6
Identification	2D DataMatrix barcode
Rack format	10 x 10 (100 tubes) 9 x 9 (81 tubes)
Rack height with lid - mm	52.5 90
Sterility options	AlteClean™ Sterile (E-Beam) Ethylene Oxide on request

Part No.	Description	Packaging
202076-1	1.8ml 1D & 2D barcoded external thread storage tube, large rack format, precapped with screw cap, Sterile	Bulk packed, 50/bag 10 bags/case
202504	Empty large format 100 rack for 1.8ml external thread, 1.2ml & 2ml internal thread 2D barcoded storage tubes, AlteClean	1 rack/case
202500	Empty large format 81 rack for 1.8ml 2D barcoded storage tubes, AlteClean	1 rack/case

2ml Internal Thread Screw Cap AlteTube™
48 SBS rack format

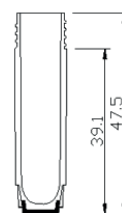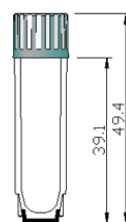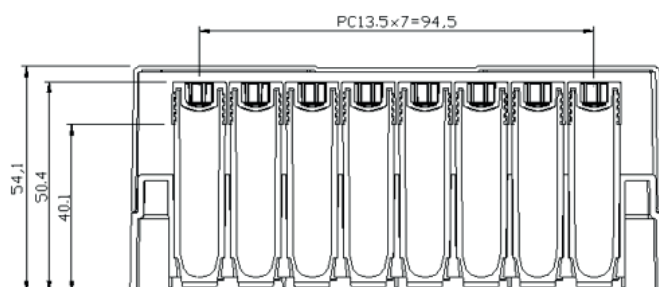|	2ml Internal screw cap
Max working volume - ml	2.0
Min temperature - °C	-196 (GPLN)
Tube height - mm	40
Tube height with screw cap - mm	49.4
Inner diameter - mm	10.86
Outer diameter - mm	12.3
Identification	2D DataMatrix barcode
Rack format	8 x 6 - SBS (48 tubes) 9 x 9 (81 tubes)
Rack height with lid - mm	54.1 - SBS rack 52 - Large format rack
Sterility options	AlteClean™ Sterile (E-Beam) Ethylene Oxide on request

Part No.	Description	Packaging
201306-1	2ml 2D barcoded internal thread storage tube, precapped with screw cap, Sterile	Bulk packed 480 tubes/case
201306-1	2ml 2D barcoded internal thread storage tube, SBS rack format, precapped with screw cap, Sterile	Racked 48 tubes/rack 10 racks/case
201510	Empty SBS 48 format rack for 2ml 2D barcoded tubes, AlteClean	10 racks/case
201105	Empty SBS 48 format cap carrier for AlteTube screw caps, AlteClean	10 cap carriers/case
201512	Empty large format 81 rack for 1.2ml & 2ml 2D barcoded storage tubes, AlteClean	1 rack/case

2ml External Thread Screw Cap AlteTube™
48 SBS rack format

|	2ml External screw cap
Max working volume - ml	2.0
Min temperature - °C	-196 (GPLN)
Tube height - mm	47.5
Tube height with screw cap - mm	49.4
Inner diameter - mm	9.62
Outer diameter - mm	12.3
Identification	2D DataMatrix barcode
Rack format	8 x 6 - SBS (48 tubes) 9 x 9 (81 tubes)
Rack height with lid - mm	54.1 - SBS rack 52 - Large format rack
Sterility options	AlteClean™ Sterile (E-Beam) Ethylene Oxide on request

Part No.	Description	Packaging
201304-1	2ml 2D barcoded external thread storage tube, precapped with screw cap, Sterile	Bulk packed 480 tubes/case
201305-1	2ml 2D barcoded external thread storage tube, SBS rack format, precapped with screw cap, Sterile	Racked 48 tubes/rack 10 racks/case
201510	Empty SBS 48 format rack for 2ml 2D barcoded tubes, AlteClean	10 racks/case
201105	Empty SBS 48 format cap carrier for AlteTube screw caps, AlteClean	10 cap carriers/case
201512	Empty large format 81 rack for 1.2ml & 2ml 2D barcoded storage tubes, AlteClean	1 rack/case

5ml Internal Thread Screw Cap AlteTube™
48 SBS rack format

|	5ml Internal screw cap
Max working volume - ml	4.5
Min temperature - °C	-196 (GPLN)
Tube height - mm	77.5
Tube height with screw cap - mm	86.5
Inner diameter - mm	10.86
Outer diameter - mm	12.3
Identification	2D DataMatrix barcode
Rack format	8 x 6 - SBS (48 tubes) 9 x 9 (81 tubes)
Rack height with lid - mm	91.8 - SBS rack 90 - Large format rack
Sterility options	AlteClean™ Sterile (E-Beam) Ethylene Oxide on request
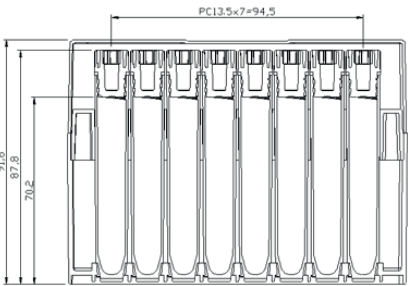
Part No.	Description	Packaging
201310-1	5ml 2D barcoded internal thread storage tube, precapped with screw cap, Sterile	Bulk packed 480 tubes/case
201311-1	5ml 2D barcoded internal thread storage tube, SBS rack format, precapped with screw cap, Sterile	Racked 48 tubes/rack 10 racks/case
201511	Empty SBS 48 format rack for 5ml 2D barcoded tubes, AlteClean	10 racks/case
201105	Empty SBS 48 format cap carrier for AlteTube screw caps, AlteClean	10 cap carriers/case
202502	Empty large format 81 rack for 5ml 2D barcoded storage tubes, AlteClean	1 rack/case

5ml External Thread Screw Cap AlteTube™
48 SBS rack format

	5ml External screw cap
Max working volume - ml	4.5
Min temperature - °C	-196 (GPLN)
Tube height - mm	84.9
Tube height with screw cap - mm	86.8
Inner diameter - mm	9.62
Outer diameter - mm	12.3
Identification	2D DataMatrix barcode
Rack format	8 x 6 - SBS (48 tubes) 9 x 9 (81 tubes)
Rack height with lid - mm	91.8 - SBS rack 90 - Large format rack
Sterility options	AlteClean™ Sterile (E-Beam) Ethylene Oxide on request
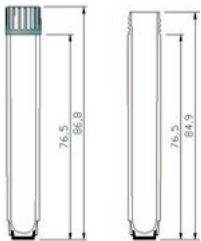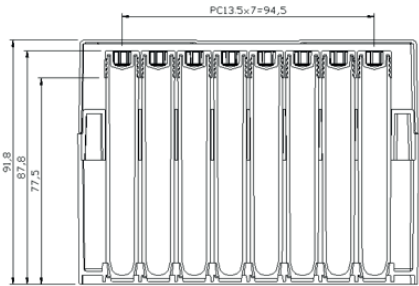
Part No.	Description	Packaging
201308-1	5ml 2D barcoded external thread storage tube, precapped with screw cap, Sterile	Bulk packed 480 tubes/case
201309-1	5ml 2D barcoded external thread storage tube, SBS rack format, precapped with screw cap, Sterile	Racked 48 tubes/rack 10 racks/case
201511	Empty SBS 48 format rack for 5ml 2D barcoded tubes, AlteClean	10 racks/case
201105	Empty SBS 48 format cap carrier for AlteTube screw caps, AlteClean	10 cap carriers/case
202502	Empty large format 81 rack for 5ml 2D barcoded storage tubes, AlteClean	1 rack/case

AlteRead™
2D barcode readers

Image capture using camera technology

The AlteRead 2D barcode camera readers all include a 5-year warranty. They capture and decode 2D barcodes on tubes instantly, accelerating sample tracking in labs.

With virtually no installation and user-friendly software, every system is ready to use straight away.

A higher standard in every way

	AlteRead Single	AlteRead Wireless	AlteRead SBS rack	AlteRead Large rack
Capture technology	Camera	Camera	Camera	Camera
Read and decode time	< 1 second	< 1 second	< 2 seconds	< 2 seconds
For use with	Single tubes	Single tubes	SBS rack	Large format & SBS racks
Barcode type	1D & 2D	1D & 2D	2D	2D
SBS format: 24, 48 & 96	n/a	n/a	Yes	Yes
Large format: 81, 100 & 192 racks	n/a	n/a	No	Yes
Custom rack	n/a	n/a	Yes	Yes
Detect missing tubes	n/a	n/a	Yes	Yes
Automatic read	Yes	Yes	Yes	Yes
Single tube read	Yes	Yes	No	No
Dimensions in cm	9.4 x 7.6 x 9.4	12.8 x 6.2 x 7	20.8 x 13.5 x 8	15.2 x 17.4 x 14.6
Power	USB cable	USB charging	Universal power supply	
System requirements	Windows / OS			
Integration toolkits	n/a	n/a	SDK	SDK
Network connectivity	Remote control capability			
Environment	5°C to 35°C			
Cold rack compatible	CryoCover™			
Warranty	5 years			

Single tube readers
Image capture using camera technology

Part No.	Product name
255000	AlteRead Single tube 2D & 1D barcode camera reader
255001	AlteRead Wireless Single tube 2D & 1D barcode camera reader

Fast decoding

Decode a single tube 2D or 1D barcode in less than 1 second.

Tube compatibility

All 2D and 1D barcoded tubes from any manufacturer.

Versatile

Easy to use and display results in any application.
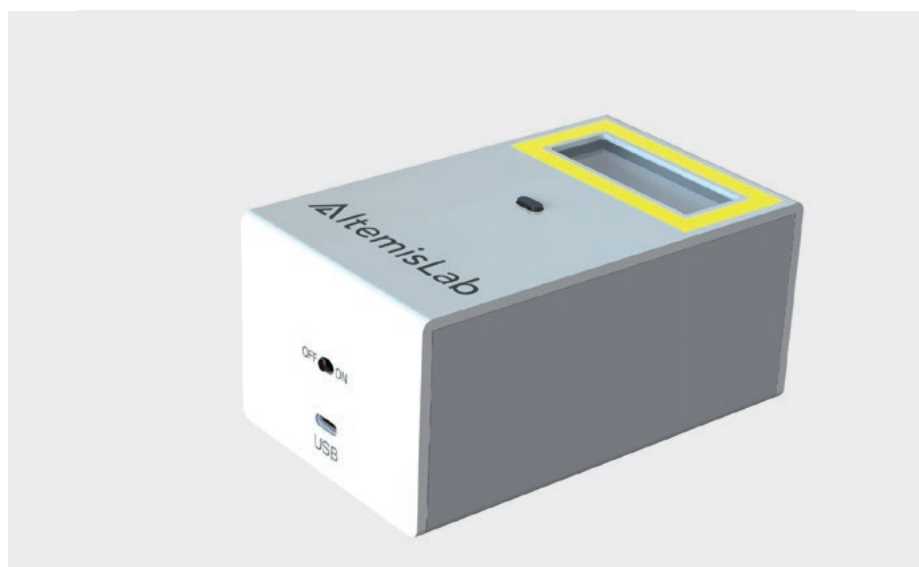
Plug & Play

Quickly set-up on Windows or MAC computers with no software to install.

Small and portable

Powered by a single USB cable.

AlteRead wireless

Read barcodes from anywhere in the lab. Small and lightweight.

SBS and large format rack 2D barcode reader
Image capture using camera technology

Part No.	Product name
252000	AlteRead SBS rack 2D barcode camera reader
254000	AlteRead large format and SBS rack 2D barcode camera reader

Instant results

Capture, read, decode and export data for a full rack in less than 2 seconds.

Easy to use

Includes pre-calibrated intuitive AlteRead software, ideal for multi-user labs.

CryoCover™

Reduces condensation for uninterrupted reading of cold racks.

Compact designs

Use little space on the bench or when integrated on the deck of robotic systems.

AlteRead SBS rack format

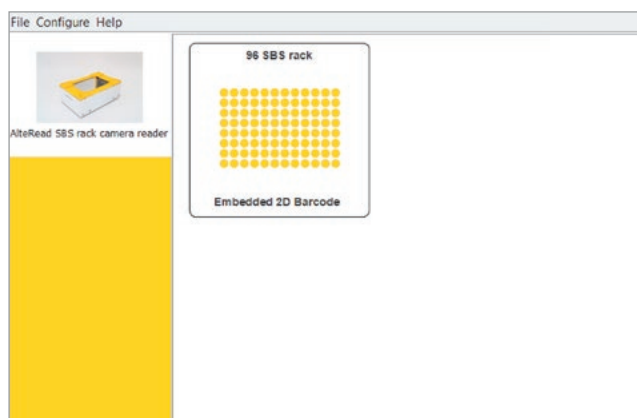Compatible with all SBS rack formats from any manufacturer.

AlteRead Large rack format

Compatible with all large and SBS rack formats from any manufacturer.

AlteRead™ software
2D barcode camera rack reader software

Included with the AlteRead SBS rack 2D barcode camera reader

Easy to use intuitive software, with minimal set-up.

Labware flexibility

Pre-calibrated software, compatible with all 24, 48, 96, 384, 81 and 100 format racks from any manufacturer.

Automatic rack identification

Decodes 1D barcodes on any rack side and 2D embedded rack barcodes. Barcode decoding is automatically initiated when racks are placed on the reader window.

Barcode error handling

Adaptive mechanism detects and reports missing tubes. Advanced barcode error handling options.

Advanced security settings

Separate administrator and user access.
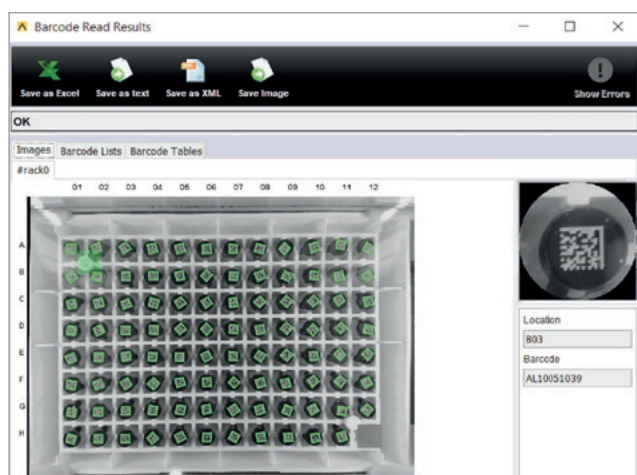
Customise export data settings

Export barcode data as Excel or Word file format, with content defined by the user.

Database connectivity

Set-up read results to automatically populate a database.

Integration and network connectivity

SDK for easy integration with LIMS software and other robotic systems. Remote control connectivity with TCP/IP.

AlteRead™
2D barcode reader set-up packs

Store and track samples easily with all the kit supplied in one cost saving package

Each AlteRead set-up pack includes:

— AlteRead™ rack 2D barcode camera reader

— AlteRead™ Single tube 2D barcode camera reader

— Windows laptop with AlteRead software pre-loaded

— 2D barcoded large format or SBS AlteTubes

— 2 cases of tubes, racks & caps in any packaging format

— AlteTube™ Large format or SBS tube selector

AlteCap™ Screw cap handling

Flexible systems for screw capping tasks

AltemisLab offers a comprehensive range of decapping and capping systems that help with the time challenges screw cap tube users often experience. All systems in the AlteCap™ range are compatible with a variety of different tube types and rack formats from any manufacturer.

Transforming lab technique

	AlteCap™ Solo	AlteCap™ Switch	AlteCap™ Swift
Tube throughput	1	4, 6, 8 or 12	24, 48 or 96
Operation modes	Cap – Decap – Recap	Cap – Decap – Recap	Cap – Decap – Recap
Type	Handheld	Handheld	Benchtop
Compatible with SBS racks	Yes	24, 48 or 96	24, 48 or 96
Tube manufacturer	Any	Any	Any
Fresh capping	Cap carrier	Cap carrier	Cap carrier
Stand included	Yes	Yes	N/A
Integration friendly	N/A	N/A	Yes
Dimensions - cm	2.5 x 19	19 x 12.5 x 8.2	36.5 x 24.7 x 33.2
Power	USB charging	USB charging	Mains powered

AlteCap™ **Solo**

Single screw cap handling for any manufacturer's tube types

Part No.	Product name
404001	AlteCap Solo

Flexible

Easy to use, intuitive touch button controls. Light and portable.

Precise torque control

Internal cap driver control ensures each screw cap is perfectly capped.

Functionality

Recap tubes or discard used caps. Apply fresh caps from a cap carrier.

Multi use stand

Convenient for storage, USB charging and holding caps for re-capping.

AlteCap™ Switch

Semi-automated screw cap handling for any manufacturer's SBS tube types

Part No.	Product name
404000	AlteCap Switch
4040XX	Switch Cassettes – available for internal and external screw caps

Uniquely flexible

Interchangeable cap driver cassettes compatible with screw cap tubes in 24, 48 or 96 SBS rack formats from any manufacturer.

Functionality

Process caps in columns or rows. Recap tubes or discard used caps. Apply fresh caps from a cap carrier.

Unparalleled design

Innovative two-handed control, for maximum user comfort and effortless screw cap processing.

Intuitive to use

Light touch buttons initiate decapping or capping. Low force dual button cap ejection.

Precise torque control

Individual internal cap driver controls ensure each screw cap is perfectly capped every time.

Multi use stand

Includes portrait or landscape rack placement. Convenient for storage, USB charging and holding caps for re-capping.

The only decapper capable of switching between 4, 6, 8 and 12 formats

Traditional handheld decappers are uncomfortable to hold, restrict the view of tubes during processing and only work with one tube and rack type. The revolutionary designed AlteCap™ Switch overcomes all of these limitations.

Balanced two-handed controls

Comfortable ergonomic curved design

Clear view of caps while processing

Switch cassettes for different tube or rack types from any manufacturer

Perfect capping of every tube

Individual cap driver torque control

Light touch cap and decap buttons

Long life rechargeable battery

Stand includes convenient portrait or landscape rack placement

Low force dual cap ejection system

Cassettes compatible with 24, 48 or 96 SBS racks

Process screw capped tubes in row or columns

AlteCap™ Swift DECAP
Automated screw cap handling for any manufacturer's tube types

Part No.	Product name
405000	AlteCap™ Swift 96 DECAP
406000	AlteCap™ Swift 48 DECAP
408000	AlteCap™ Swift 24 DECAP
40xxxx	AlteCap™ Swift cap driver cassette

Fast screw cap handling

Decap a full rack of tubes in less than 20 seconds.

Flexible

Easily switch between different manufacturer's tube and cap types.

Highly engineered

Individual motors apply the same torque to provide excellent seal quality.

Functionality

Different models available for 24, 48 and 96 SBS format racks.

Cap driver cassettes

Compatible with all screw caps from different manufacturers.

Versatile

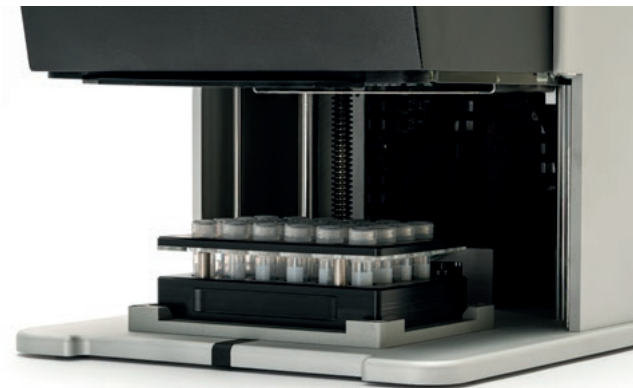Compatible with cap carriers for efficient capping of tubes.

Small footprint

Ideal for use on the bench or in the hood.

Sample safety

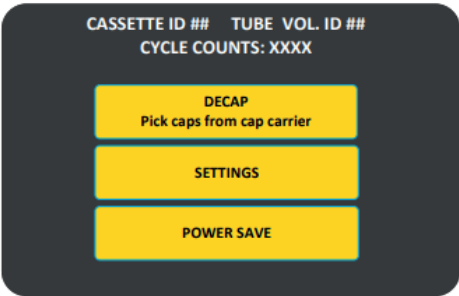Drip tray prevents cross-contamination of samples during cap removal.

Advanced design

Cap drivers and racks designed to allow capping and decapping of non-automation friendly screw caps.

AlteCap™ Swift Software
Intuitive and easy to use

User friendly controls

Easy to use touch screen display.

Intuitive

Select from pre-set programmes to fully decap, loosen, store or discard caps, or recap tubes.

AlteCap™ Swift Detect
Includes optical detection grid

Part No.	Product name
405100	AlteCap™ Swift 96 DETECT
406100	AlteCap™ Swift 48 DETECT
408100	AlteCap™ Swift 24 DETECT
40xxxx	AlteCap™ Swift cap driver cassette

Fast rack processing

Switch between different tubes sizes without changing any settings.

Rack height detection

120 precise fibre optics automatically detect the tube or cap height.

AlteCap™ Swift CELL
Integration model for automated screw cap decapping

Part No.	Product name
409000	AlteCap™ Swift 96 CELL
409001	AlteCap™ Swift 48 CELL
409002	AlteCap™ Swift 24 CELL
40xxxx	AlteCap™ Swift cap driver cassette

Integration friendly

Includes an extended tray and an automatic door for easy access by a robotic arm and remote-control capability.

Rack height detection

120 precise fibre optics automatically detect the tube or cap height.

Avidien
microPro

Benchtop 96 channel pipettors

The world's smallest 96 channel semi-automated benchtop pipettor, available in two sizes, the microPro 20 and the microPro 300. Flexible multi-function pipetting; from simple to more complex liquid handling steps.

A higher standard in every way

	MicroPro 20	MicroPro 300
Volume range - µL	1-20	5-300
SBS rack formats	96/384	96/384
Compatible with deep well blocks	Yes	Yes
Tip type	Filtered and non-filtered	Filtered and non-filtered
Two position stage	Optional extra	Optional extra
Pipetting speed control	Yes	Yes
Precision	1-5µL <3% CV 6-20µL <2% CV	15-30µL <2% CV 30-300µL <1% CV
Software controls	iPad app	iPad app
iPad included	Yes	Yes
Dimensions - cm	19 x 21.6 x 32	19 x 21.6 x 32
Weight - kg	5.1	5.1
Power	Mains powered	Mains powered

Avidien microPro

Part No.	Product name
801020	microPro 20
801000	microPro 300

User friendly
All features are programmable using the intuitive iPad app.

RingLock tip system
Simple and easy tip changes. Touchless tip ejection, reducing the risk of contamination.

10x speed control
Choose speed settings for any aspirate and dispense operation.

Special liquids
Create and save unique calibration settings for special liquids and re-use these settings during any program.

Pipetting depth recall
Customisable depth settings can be saved and used for most manufacturer's plate types.

384 well plates
Switch from 96 to 384 well plates quickly and easily with the 96/384 nest converter.

Easily recall programs
Store regularly used programs in favourites and organise them by name, type and date.

Custom programs
Create programs and arrange steps in any order, including unique instructions in long and complex assays.

Two-position stage
Simplify transfers while reducing handling of plates

Optimise space

Allows 2 pieces of labware in the upper nest position and access to a reservoir in the lower nest position.

Flexible

Add as an optional accessory with new equipment or retrofit to existing instruments.

Manual operation

Easily adjustable positioning with incremental stops.
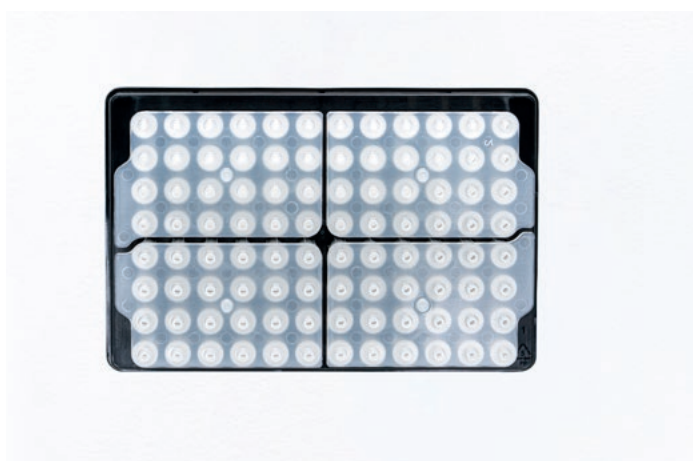

Precision automation pipette tips

RingLock seal technology allows easy tip changes.

Low retention tip resin

Maximises sample recovery and improves CV%.

Purity assurance

Certified RNase, DNase, Nucleic Acids, Pyrogens/Endotoxins, PCR Inhibitor, and trace metals free.
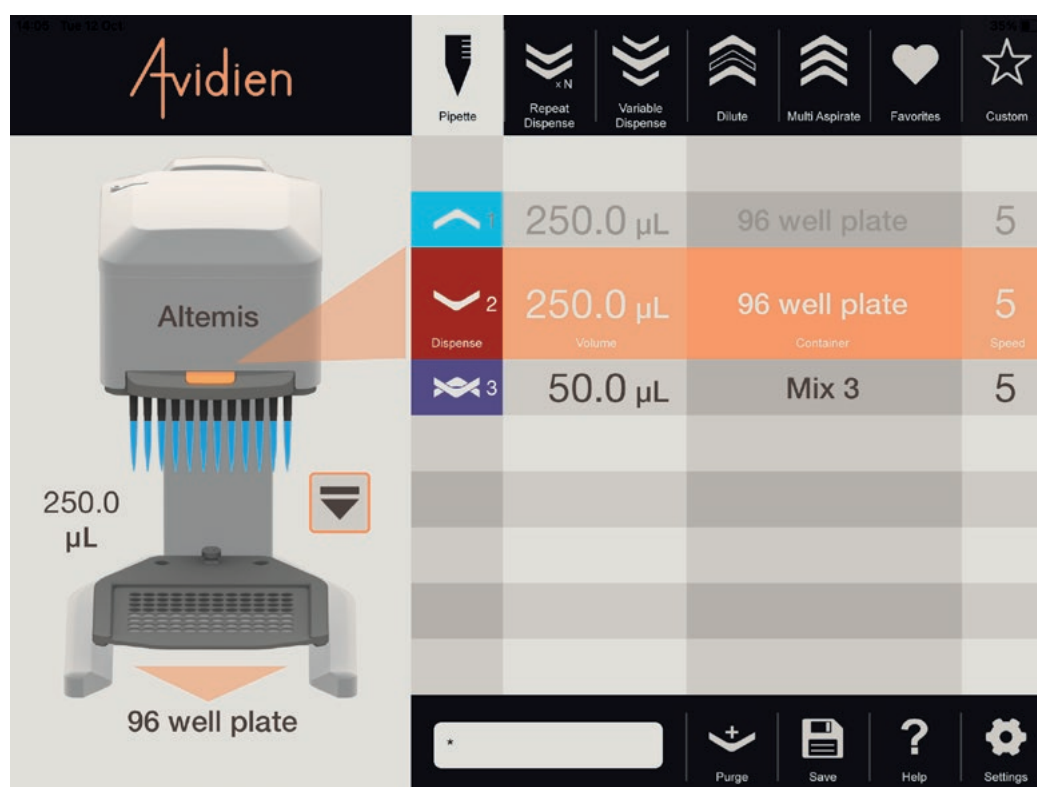
Convenient packaging

96 tips per individually sealed cartridge, 10 cartridges per box, 5 boxes per case.

microPro software

iPad mini with pre-loaded microPro Controller App — *Included*

Convenient set-up

Create programmes on the App when away from the unit.

Easy to use

Follow images and instructions on screen for every step.

Easily recall programs

Store regularly used programs in favourites and organise them by name, type and date.

Labware settings

Set and save different tip pipetting depths for different labware types.

Flexibility

Edit the pre-set pipetting programs or create more complex custom programs.

Customise steps

Include instructions or timed pauses as steps in a custom programme.

AlteTools™

Useful kit for the lab

AltemisLab is all about looking for better ways to work. Our range of lab tools have been designed to make everyday lab tasks easier.

A better way

Twin thawing station

Speed up sample processing and minimise data variability

Part No.	Product name
702002	Twin thawing station

Safe ambient thawing

Utilises 2 powerful fans to circulate ambient air for safe thawing of all frozen sample types.

Consistent results

Highly uniform frozen sample thawing, ensuring reproducible results.

Increase productivity

Reduce thaw times and speed up sample processing.
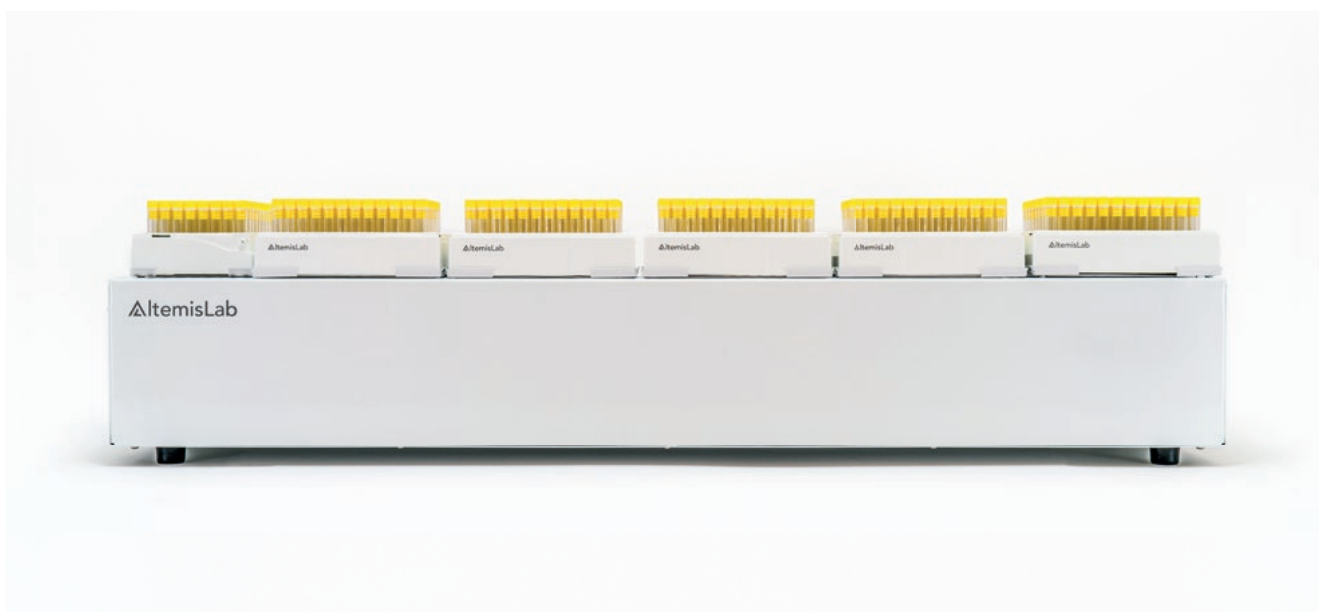
Flexible

Rack adapters are included and the flexible deck layout accommodates all types of labware.

Multi thawing stations

Speed up sample processing and minimise data variability

Part No.	Product name
702003	Multi thawing station – Ambient
702004	Multi thawing station – Heated

Fast results

Highly uniform frozen sample thawing ensuring reproducible results. Thaw up to 1000 samples in 9 minutes.

Safe ambient thawing

Ambient air is circulated by 7 powerful fans for fast consistent thawing of all frozen sample types.

Easy to use

Pre-calibrated and only one switch operation.

Heated model

Combines a 600W heating module with 7 turbo fans. Suitable for samples with large molecule compounds and high melt carriers.

Flexible

Suitable for 96 well assay plates and racked tubes. Accessory racks are available for most non-SBS tube types.

Integration friendly

Features a remote I/O for simple integration.

AlteCap™ septum capper

Semi-automated septum capper for most manufacturers'
septum cap mats and tubes in SBS rack format

Part No.	Product name
404700	AlteCap™ Septum capper

Easy to use

Touch screen operation and no rack adapters required.

Sophisticated electronics

Ensures pressure is applied across the full cap mat and all
individual tubes are capped evenly.

Compatibility

Works with most septum cap mats to cap 24, 48 and 96
SBS format tube racks and deep well storage plate.

Compact

Takes up little space on the bench or in a fume hood.

AlteCap™ septum decappers

Part No.	Product name
705010	AlteTube handheld septum decapper - Multi
705011	AlteTube handheld septum decapper - Single

Increase throughput

Handheld septum decappers can be used for single or
multiple septum cap removal from tubes.

AlteTube™ pick up device

Handy device

Use with internal or external 1.2ml, 2ml & 5ml AlteTubes. Easily pick or decap tubes in the AlteTube workstation rack.

Part No.	Product name
705000	AlteTube pick up device - Internal
705001	AlteTube pick up device - External
705002	Pick up device for use with 1.8ml AlteTubes

AlteTube™ aluminium cooling/heating blocks

Consistent sample temperature

Made from solid anodised Aluminium. Compatible with large format AlteTubes. Maintains sample order and prevents wet ice contamination.

Part No.	Product name
706000	AlteTube aluminium rectangle block
706001	AlteTube aluminium round block

AlteTube™ workstation rack

Helpful aid

Holds 50 large format AlteTubes. Anti-rotate base grips tubes securely for one-handed capping and decapping.

Part No.	Product name
704000	AlteTube workstation rack

AlteTube™ Selector

Ease of handling

Manually cherry pick a tube from the rack with the handheld AlteTube Selector. Compatible with 0.3ml to 5ml tubes from most manufactures.

Part No.	Product name
705012	AlteTube selector - large format
705003	AlteTube selector - SBS format

AlteTube™ ice pans and ice buckets

Use with AlteTube aluminium blocks

Made from Ethylene Vinyl Acetate (EVA). Highly durable, chemically resistant and inert to dry ice. Minimum temperature -196°C.

Part No.	Product name
707000	AlteTube ice bucket, 4L
707001	AlteTube ice bucket, 2.5L
708000	AlteTube ice pan, 9L
708001	AlteTube ice pan, 4L
708002	AlteTube ice pan, 2.5L
708003	AlteTube ice pan, 1L
708004	AlteTube ice pan with handle & lid, 9L
708005	AlteTube ice pan with handle & lid, 4L

Notes

A higher standard in every way
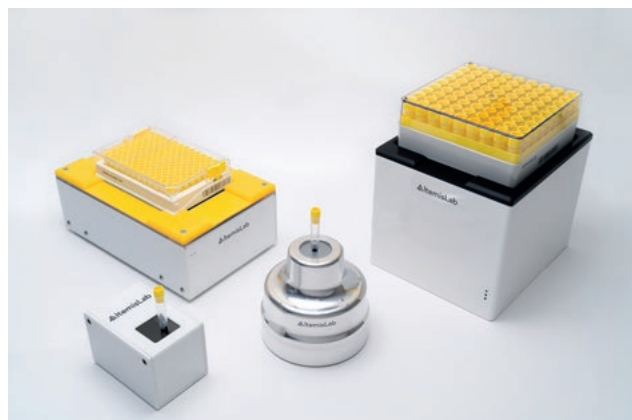
AlteTube™

2D barcoded tubes

Manufactured by dual injection resulting in the highly durable single piece AlteTube. Full range of tube sizes, cap types and rack formats.

AlteRead™

2D barcoded camera readers

Image capture using camera technology. Capture, read, decode and export data for a rack of 2D barcoded tubes in seconds.

AlteCap™

Screw cap decapping

Revolutionary designed handheld and automated decappers. Quickly cap, decap, or recap tubes individually, by column or row, or full racks.

AlteTools™

Useful kit for the lab

Accessories designed to make everyday lab tasks easier. Liquid handling, tube pickers, selectors, thawing stations, racks, ice pans and buckets.

AltemisLab™ product customisation

AltemisLab could develop and manufacture custom products to meet your individual requirements.

Custom products are always assigned a unique and dedicated part number, ensuring a seamless ordering process.

Specific barcodes, different coloured caps, customer branding, and different equipment configurations, the possibilities for customisation are not limited.

AltemisLab™ support
With you beyond your purchase...

AltemisLab will remain your reliable partner. You can depend on our experienced team to support you and your products.

We provide expert installation, training, preventative maintenance and on-going service packages.

A higher standard in every way

AltemisLab

Vanilla House
Copley Hill Business Park
Babraham
Cambridge CB22 3GN
United Kingdom

info@altemislab.com
+44 (0) 1223 344900

◄ *Scan me to browse*
our products online

www.altemislab.com