Email: sales@microanalytix.co.nz
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![Micro Analytix NZ Ltd logo]

Sample storage, identification and handling

High quality 2D barcoded tubes to assist sample identification

AltemisLab 2D barcoded tubes, barcode readers, de-capping, capping and liquid handling equipment, and lab tools symbolise a new era of efficiency.

AlteTube™

Screw cap 2D barcoded tubes

Superior quality 2D barcoded tubes to assist sample identification. Designed for short or long term storage down to cryo temperatures.

2D coded tubes in SBS rack format with internal thread screw caps

2D barcoded tubes in SBS rack format with external thread screw caps

	1.4ml Screw cap	1.4ml Screw cap
Thread type	Internal	External
Max working volume -ml	0.92	0.95
Min storage temperature - °C	-196	-196
Tube height -mm	44	46.1
Tube height with cap - mm	51	49.1
Inner Diameter - mm	6.8	6.5
Outer Diameter with cap - mm	8.4	8.5
Pitch - mm	9.0	9.0
Identification	2D DataMatrix barcode on base	
2D DataMatrix barcode	White on black, 3mm x 3mm, 2 alpha prefix (AL) and 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 formate	8 x 12 - SBS (96 tubes)	
Rack material	Polypropylene base with polycarbonate lid	
Rack height wil lid -mm	55.5	
Packaging option	Bulk packed tubes, precapped – 960/case Racked tubes, precapped – 96/rack, 10 racks/case	

- ⌃ **Innovative manufacturing & 100% quality checks**
- ⌃ **Permanent 2D barcode**: The 2D DataMatrix barcode is laser etched on the black base of the single piece AlteTube.
- ⌃ **Internal thread screw caps**: Manufactured by dual injection of Thermo Plastic Elastomer (TPE) and medical grade polypropylene.
- ⌃ **External thread screw caps**: Increased working sample volume per tube compared to internal thread tubes in most storage conditions and have clever cap design
- ⌃ **SBS format racks**: Store 96 tubes in 8 x12 format.
- ⌃ **Rack identification**: One unique code in three formats.

AltemisLab

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AlteRead

SBS rack 2D barcode camera reader

Image capture using camera technology. Featuring sophisticated optics & built-in data processing.
The AlteRead 2D barcode camera readers all include a 5-year warranty.

- **Instant results**: Capture, read, decode and export data for a 96 SBS rack in less than 2 seconds.
- **Rack compatibility**: SBS rack formats; 24, 48, and 96
- **Easy to use**: Includes pre-calibrated intuitive AlteRead software
- **LIMS integration**: seamlessly transfer AlteRead™ export data into databases.
- **Compact design**: Uses little space on the bench or when integrated on the deck of robotic systems.
- **AlteRead Set-up Pack**: Start storing and tracking samples easily with all the kits in one cost-saving package.

	AlteRead SBS rack
Capture technology	Camera
Read and decode time	< 2 seconds
For use with	SBS rack
SBS format: 24, 48 & 96	Yes
Large format: 81, 100 & 192 racks	No
Custom rack	Yes
Detects missing tubes	Yes
Automatic read	Yes
Single tube read	No
Dimensions in cm	20.8 x 13.5 x 8
Power	Universal power supply

Multi thawing stations

Speed up sample processing and minimise data variability

- **Fast results**: Highly uniform frozen sample thawing
- **Safe ambient thawing**: Ambient air is circulated by 7 powerful fans.
- **Heated model**: Combines a 600W heating module with 7 turbo fans.
- **Flexible**: Suitable for 96 well assay plates and racked tubes.
- **Easy to use**: Pre-calibrated and only one switch operation.
- **Integration friendly**: Features a remote I/O for simple integration with automation.

AlteCapTM Solo

Single Screw cap handheld decapper

Quickly cap, decap or recap single tubes. Compatible with AlteTubes and other manufacturer's screw cap tubes in SBS rack format.

- **Flexible;** Easy to use, intuitive touch button controls.
- **Functionality**: Recap tubes or discard used caps. Apply fresh caps from a cap carrier.
- **Stand included**: Convenient for storage, USB charging and holding caps for re-capping

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AlteCapTM Switch

Semi-automated screw cap handling

Quickly cap, decap or recap tubes by column or row. Featuring interchangeable cap driver cassettes for easy processing of different screw cap tube types and tubes in 24, 48 or 96 SBS rack formats.

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

Revolutionary design: Innovative two-handed control
Intuitive to use: Light touch buttons initiate decapping or capping.
Uniquely flexible: Interchangeable cap driver cassettes compatible with screw cap tubes in 24, 48 or 96 SBS rack formats
Functionality: Process caps in columns or rows.
Precise torque control: Electronic cap driver control ensures each screw cap is perfectly capped every time.
Multi use stand: Includes portrait or landscape rack placement.

AlteCap™ Swift

Automated screw cap full rack capping and decapping

Automatically cap and decap a full rack of tubes in 10 seconds. Compatible with AlteTubes and other manufacturer's screw cap tubes in SBS rack format.

Fasthandling: Decap a full rack of 96 tubes in less than 20 seconds.
Easily switch: between cassettes when using different tube & cap.
Advance cap drivers: Available for all screw caps from different manufacturers.
Models: All of the features for 24, 48 or 96 SBS rack formats.
Sample safety: Drip Tray prevents cross-contamination of samples during cap removal.
Integration friendly models: Extended rack position for easy access & remote control capability.

	AlteCap Solo	AlteCap Switch	AlteCap Swift
Tube throughput	1	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	Swift CELL
Dimensions - cm	2.5 x 19	19 x 12.5 x 82	36.5 x 24.7 x 33.2
Power	USB charging	USB charging	Mains powered

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