

# STC3k5

## Description

The STC3k5-ULT is based on the new Liconic trolley design. The STC3k5-ULT is the smallest reliable and most compact -80°C store in its class. It utilises the Liconic chest freezer principle which provides excellent energy efficiency and climate homogeneity. The STC3k5 is by far the market's most efficient -80°C store.

The STC3k5-ULT store incorporates an interface unit that holds an IO-Buffer and the tube selection device. Samples can be loaded either manually into the IO-Buffer or through an integrated liquid handling platform. In all cases samples pass through the interface unit and are then transferred into the -80°C storage chamber. This ensures maximum climate stability of the long-term storage compartment.

The user friendly software incorporates an intuitive and extremely simple to use operator interface. The system is connected to the network and may therefore be accessed remotely.

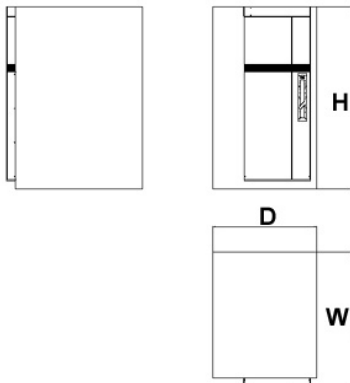
### STC3k5-ULT for following Applications

- DNA/RNA
- Proteins
- Cells
- Serum
- Plasma
- Bacteria
- Sensible bio-liquids.

## YOUR Benefits

- Temperature stability → Highest Sample Quality
- Trolley System → High Density with small footprint
- Stainless Cassettes → Combination of all Tube Formates
- Chest freezer principle → Low Energy Costs
- 2D- and Barcode Function → Only passive parts in -80°C
- Proven technical Components → 100% Sample Tracking and Integrity
- Redundant and Backup Cooling → Reliable and robust System
- → Highest Sample Guarantee

## Dimensions



Width (W)	2300 mm
Depth (D)	1760 mm
Height (H)	3100 mm

## Capacity

Plate type	Plate Height	Pitch	Levels	Racks	Tubes
REMP384	17 mm	23	54	3.240	1.244.160
REMP96-300	22 mm	28	44	2.640	253.440
Abgene 0.3ml / Matrix 0.5 ml	24 mm	30	41	2.460	236.160
Micronic 0,5 ml SrewTop	30 mm	36	34	2.040	195.840
Abgene Twist-Lock 0.5ml	36 mm	42	29	1.740	167.040
Matrix 0.75ml	38 mm	44	28	1.680	161.280
Matrix 0,5 ml Srew Top	41 mm	47	26	1.560	149.760
REMP96-900	44 mm	50	25	1.500	144.000
Miconic 1.1ml SrewTop	48 mm	54	23	1.380	132.480
Abgene 1.2ml	51 mm	57	22	1.320	126.720
Abgene Twist-Lock 1.0ml	52 mm	58	21	1.260	120.960
Matrix 1,0 ml Srew Top	54 mm	60	20	1.200	115.200
Micronic 1,4 ml SrewTop	55 mm	61	20	1.200	115.200

## Specifications

Temperature	-85°..0°
Rack Format	SBS
Handling	Single Rack
Rack Access Time	< 35s
Communication	RS-232
Protocol	STX
Drivers	Win2K, Win32, WinXP, Vista, LINUX
Prower Requirements	400V / 50Hz
Power Consumption	5kW max. 2.7kW typ.