

# STC12k5

## Description

The STC12k5-ULT is based on the new Liconic trolley design. The STC12k5-ULT Store has capacity of more than one Million samples. The high capacity STC12k5-ULT has an extremely compact footprint and can easily be installed into small laboratories. It utilises the Liconic chest freezer principle which provides excellent energy efficiency and climate homogeneity. The STC12k5 is by far the market's most efficient  $-80^{\circ}\text{C}$  store. The STC12k5-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  $-80^{\circ}\text{C}$  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.

### STC12k5-ULT for following Applications

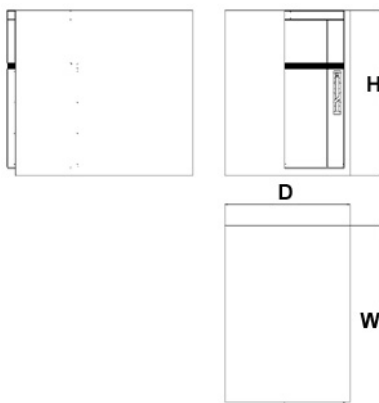
- DNA/RNA
- Proteins
- Cells
- Serum
- Plasma
- Bacteria
- Sensible bio-liquids.



## 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                          |
|                                | Only passive parts in $-80^{\circ}\text{C}$ |
| • 2D- and Barcode Function     | → 100% Sample Tracking and Integrity        |
| • Proven technical Components  | → Reliable and robust System                |
| • Redundant and Backup Cooling | → Highest Sample Guarantee                  |

## Dimensions



Width (W)	3470 mm
Depth (D)	2340 mm
Height (H)	3100 mm

## Capacity

Plate type	Plate Height	Pitch	Levels	Racks	Tubes
REMP384	17 mm	23	54	12960	4.976.640
REMP96-300	22 mm	28	44	10560	1.013.760
Abgene 0.3ml / Matrix 0.5 ml	24 mm	30	41	9840	944.640
Micronic 0,5 ml SrewTop	30 mm	36	34	8160	783.360
Abgene Twist-Lock 0.5ml	36 mm	42	29	6960	668.160
Matrix 0.75ml	38 mm	44	28	6720	645.120
Matrix 0,5 ml Srew Top	41 mm	47	26	6240	599.040
REMP96-900	44 mm	50	25	6000	576.000
Miconic 1.1ml SrewTop	48 mm	54	23	5520	529.920
Abgene 1.2ml	51 mm	57	22	5280	506.880
Abgene Twist-Lock 1.0ml	52 mm	58	21	5040	483.840
Matrix 1,0 ml Srew Top	54 mm	60	20	4800	460.800
Micronic 1,4 ml SrewTop	55 mm	61	20	4800	460.800

## 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
Power Requirements	400V / 50Hz
Power Consumption	5kW max. 3.5kW typ.