

Automated & intelligent Storage **STC12k5-ULT Kiwi**

Highest Sample Density
Best temperature Stability
All Tube formats

-20°C
-80°C



STC-ULT Series

STC12k5-ULT Kiwi

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°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°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.

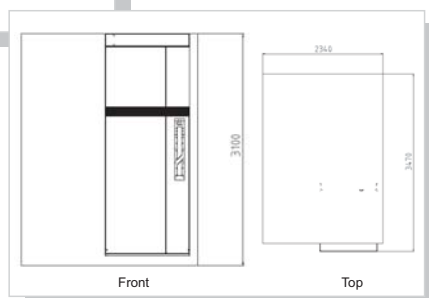
Features	YOUR Benefits
Temperature stability	Highest Sample Quality
Trolley System	Max. Density with small footprint
Stainless Steel Cassettes	Combination of all Tube Formates
Chest freezer principle	Low Energy Costs Only passive parts in -80°C
2D- and Barcode Function	100% Sample Tracking and Integrity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

STC12k5-ULT for following Applications

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

Dimensions Storage Compartment

Height	3100 mm
Width	3470 mm
Depth	2340 mm



Capacity

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

Climate Conditions

Storage Compartment:	-80°C, dry
Handling Area:	-20°C, dry
Interface Unit:	-20°C, dry

Standard Options

Redundant Cooling
Backup Cooling via LN2
Three nest Tube Picker / Boxer
Dual Picking Head Option
Bar Code Reader for Racks
2D Code Scanner for Tubes

