



# Ultra-Low-Temperature Freezers: The Ultimate Way to Store Safely

Trust the expert when it comes to maximum safety for sensitive samples. With its innovative ultra-low-temperature freezers (ULTs), Liebherr is setting new standards, especially in the scientific and health-care sector, at extreme temperatures from  $-40$  to  $-86^{\circ}\text{C}$ . Available from the second half of 2020, find out now the most important facts about our new range of appliances with 500 and a 700 liter volume.



Secured access to samples



Alarms in case of critical situations to react immediately in order to safe valuable stored stuff

## Reliable and safe long-term storage of valuable and sensitive samples. High quality that protects enormous values.

Depending on their size, our new ULTs have storage capacities of almost 30,000 to over 40,000 samples. Assuming an average value of 10 Euros per sample, this results in storage values of over 300,000 Euros. For long research series and rare materials even more. This makes storage safety one of the most important purchase criteria. Several integrated safety features make it easy to choose the new Liebherr ULTs - because you can rely on the highest level of security here.

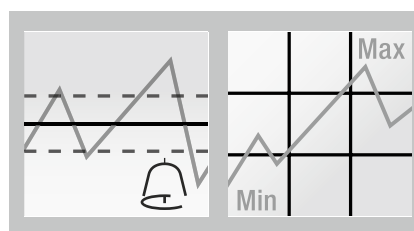
### A Wide Range of Applications:

$-40^{\circ}\text{C}$  to  $-60^{\circ}\text{C}$ : Low Temperature Tests of Materials, Mid-term storage Reagents/Plasma/Vaccines

$-60^{\circ}\text{C}$  to  $-86^{\circ}\text{C}$ : Long-Term Storage of Biological Products, Chemical Reagents, Plasma, Vaccines, Bacteria

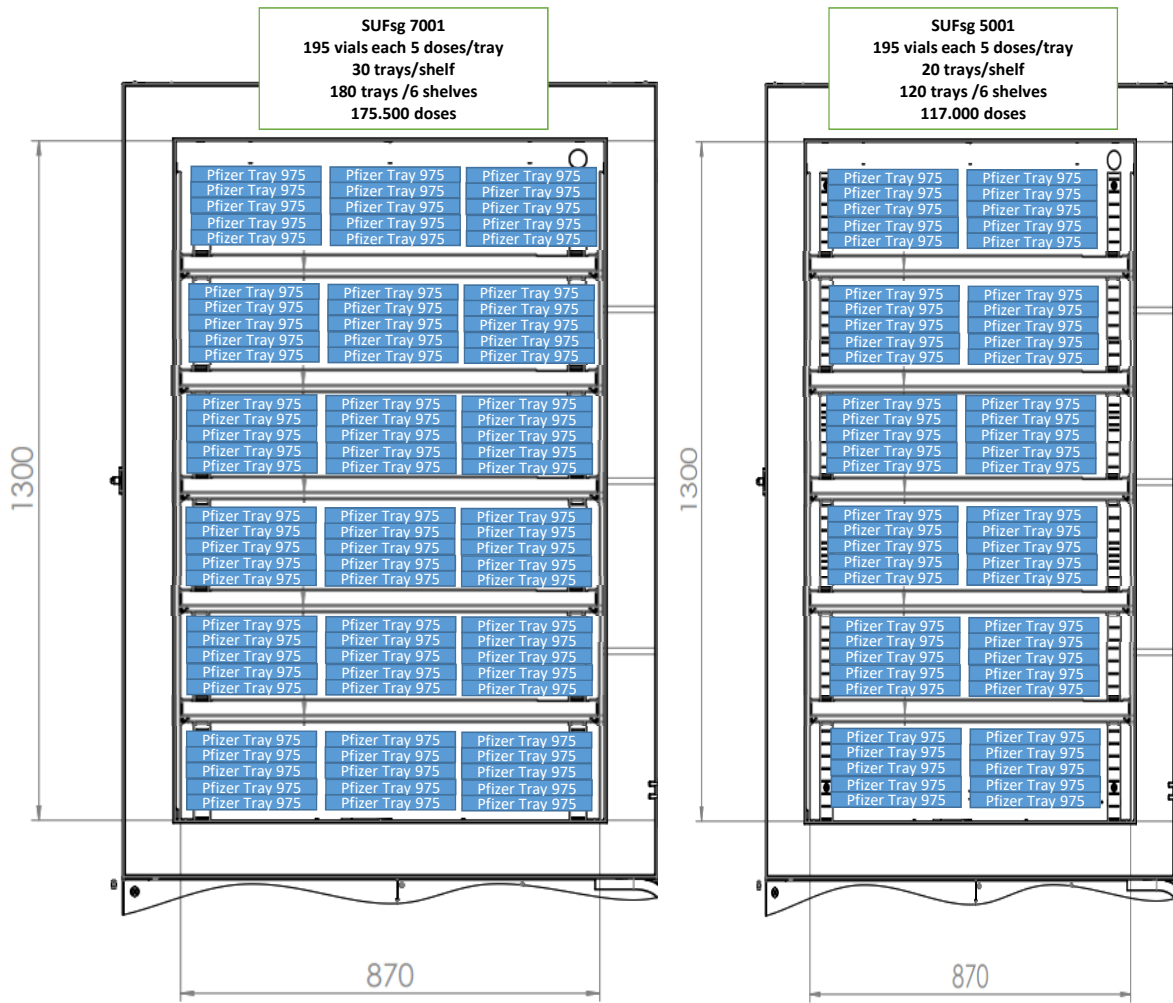
## Safest long-term storage with the lowest energy consumption.

To reach the low temperatures down to  $-86^{\circ}\text{C}$ , high energy input is required. With regard to the insulation of the appliances, ULTs differ significantly from standard commercial freezers. Liebherr uses the highly efficient systems with cascade cooling and KW refrigerant in combination with vacuum/foam sandwich construction. These are clearly convincing in terms of minimising energy consumption.

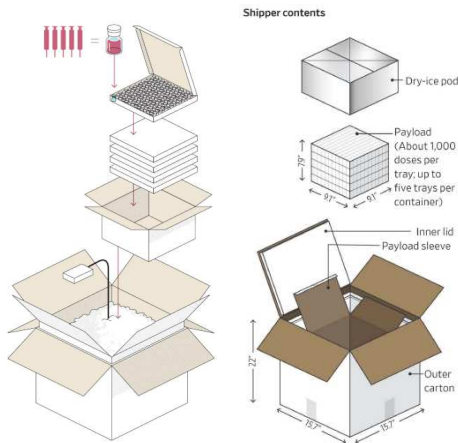


Minimum temperature fluctuations to keep the quality of samples

**LOADING CAPACITY - PFIZER / BIONTECH VACCINE  
LIEBHERR ULTRA FREEZER**

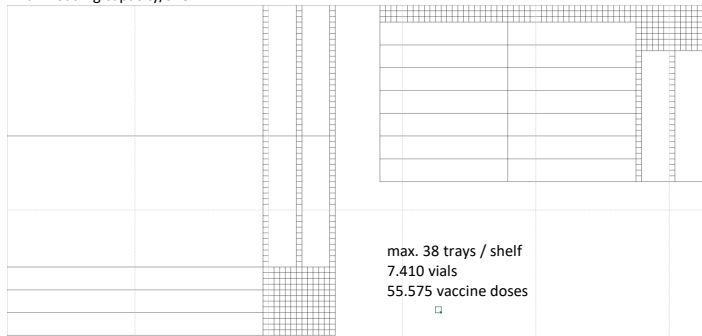


**Pfizer Packing:**



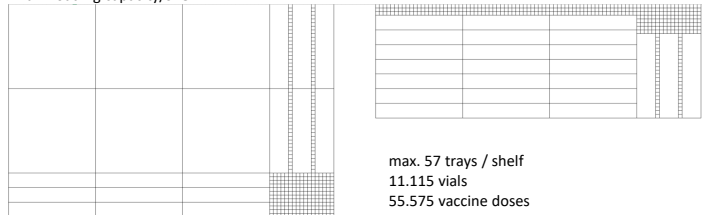
**SUFsg 5001**

Max. Loading capacity/shelf:



**SUFsg 5001**

Max. Loading capacity/shelf:



Importator și distribuitor în România:

**SIGMAEVOLUTION**

CBRNE & Laboratory Solutions

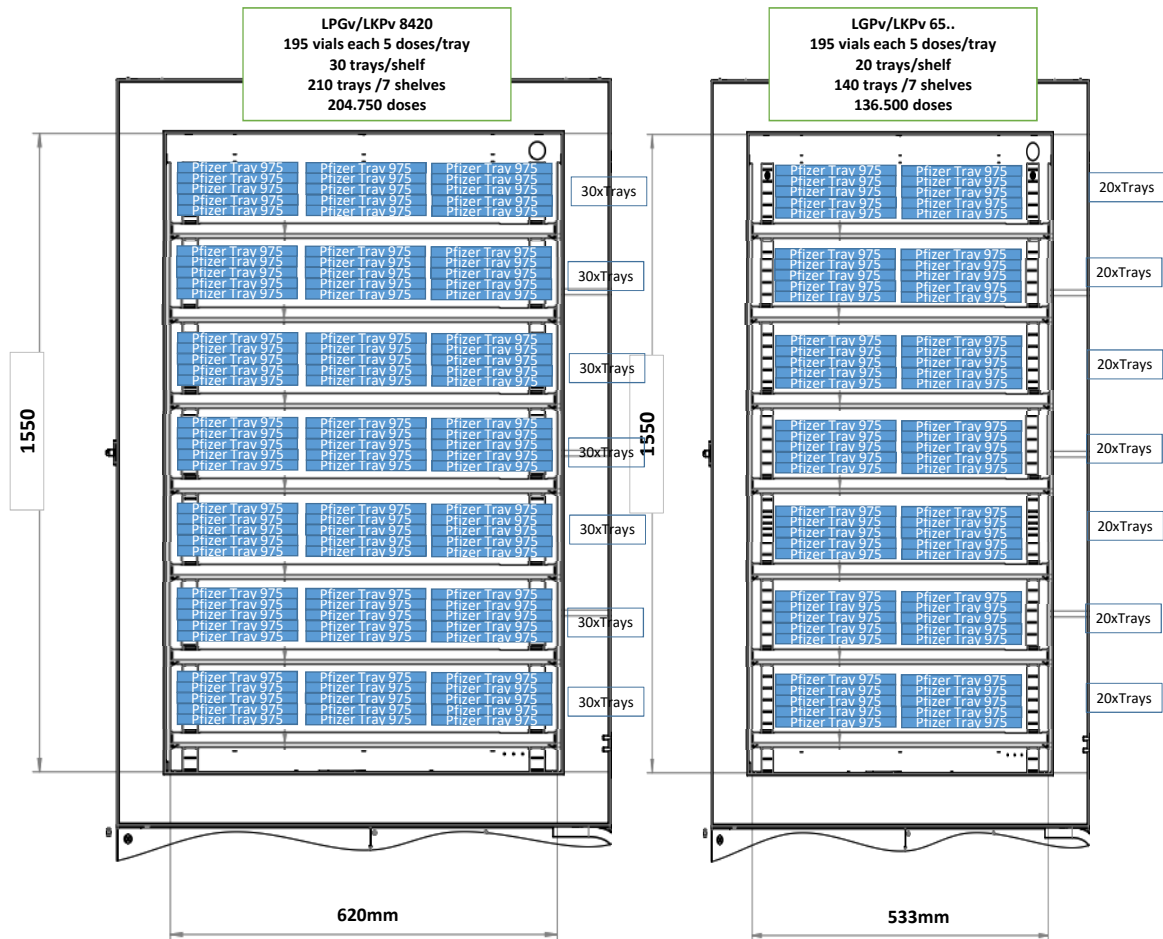
**Sigma Evolution S.R.L.**

Drn. Pădurea Neagră 60A, Bl. 05/2, Corp B, Ap. 11  
Sector 1, București, Cod poștal 014044

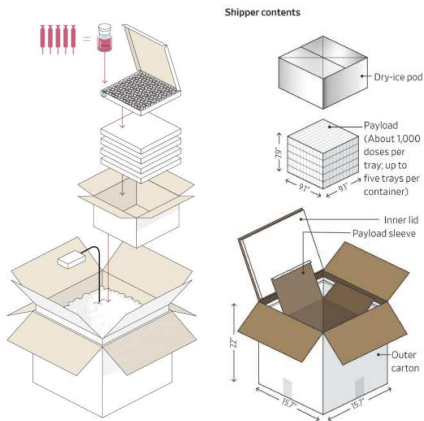
E-mail: [office@sigmaevolution.ro](mailto:office@sigmaevolution.ro)

Web: [www.sigmaevolution.ro](http://www.sigmaevolution.ro)

Mobil: +40 745 064 185



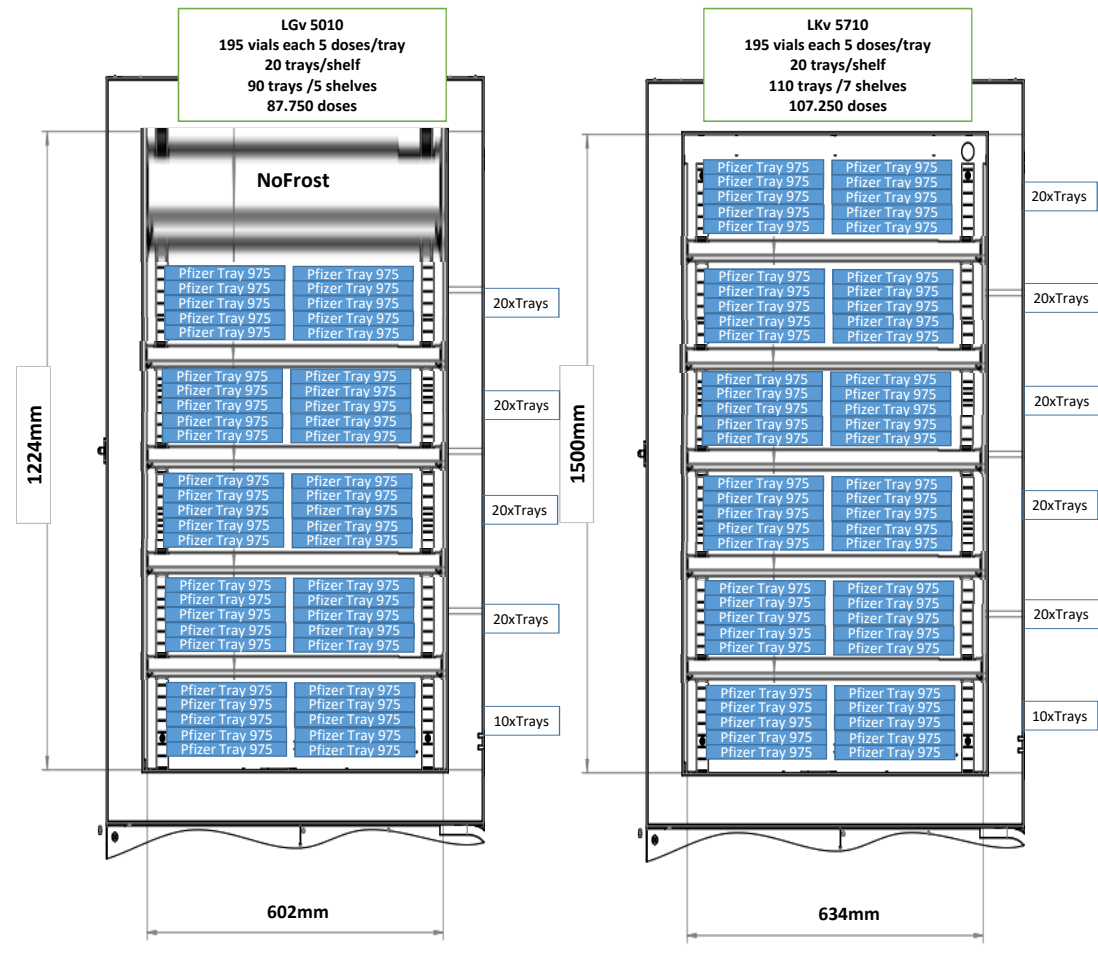
Pfizer Packing:



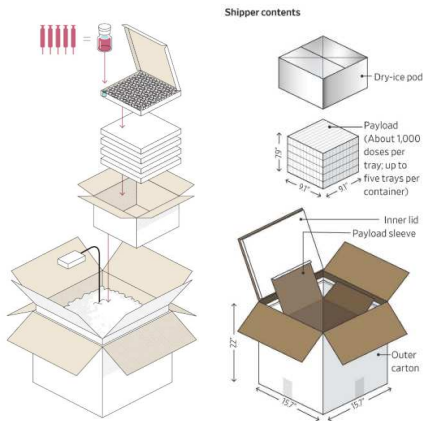
Importator și distribuitor în România:  
**SIGMAEVOLUTION**  
 CBRNE & Laboratory Solutions  
**Sigma Evolution S.R.L.**

Drm. Pădurea Neagră 60A, Bl. 05/2, Corp B, Ap. 11  
 Sector 1, București, Cod poștal 014044

E-mail: [office@sigmaevolution.ro](mailto:office@sigmaevolution.ro)  
 Web: [www.sigmaevolution.ro](http://www.sigmaevolution.ro)  
 Mobil: +40 745 064 185



Pfizer Packing:



Importator și distribuitor în România:  
**SIGMAEVOLUTION**  
 CBRNE & Laboratory Solutions  
**Sigma Evolution S.R.L.**

Drn. Pădurea Neagră 60A, Bl. 05/2, Corp B, Ap. 11  
 Sector 1, București, Cod poștal 014044

E-mail: [office@sigmaevolution.ro](mailto:office@sigmaevolution.ro)  
 Web: [www.sigmaevolution.ro](http://www.sigmaevolution.ro)  
 Mobil: +40 745 064 185