

## INCREASE YOUR LAB EFFICIENCY

CoolSafe  
Freeze Dryers  
80 litres

Scandinavian by Design



Supplied by:

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down to **-95°C**

Smart  
Touchscreen  
Controller

**40**  
YEARS OF  
EXPERIENCE



LABOGENE

## COOLSAFE SUPERIOR

CoolSafe 95/55-80 Superior is an outstanding and versatile range of advanced floor-standing freeze dryers. They are the product of more than 40 years' experience and expertise, and are the ideal choice for research, process development and small-scale production.

Available in 2 configurations:

- Superior Bulk.
- Superior Vial.

All come with a choice of either  $-55^{\circ}\text{C}$  or  $-95^{\circ}\text{C}$  condenser temperatures. All models offer both simplicity of operation and the highest performance characteristics to meet the demands of today's research and development laboratories.

Proven track record in:

- Quality Control – typically for:
  - Food materials, bacteria, meat and dairy products.
- Improved Preservation – typically for:
  - Floral materials.
  - Vaccines and Anti-toxin.
  - Tissues and cells.
  - Fish, shellfish, milk and dairy products, vegetables, edible mycelia, soft fruits and berries etc.
- Conservation of archaeological items such as wood, leather, textiles etc.
- Restoration of water damaged books, documents and paper materials.

*CoolSafe 95/55-80 is suitable for research, testing and production on a minor scale.*

## FEATURES OF QUALITY

Technical features:

- Fully automatic control of pre-freeze in 5 steps.
  - and primary and secondary drying in 10 steps.Controlling shelf temperature from  $-80^{\circ}\text{C}$  to  $+50^{\circ}\text{C}$  on 95-80 models for correct ice crystal formation and freeze drying.
- Condenser ice capacity of max. 10kg/24 hours.
- For bulk: The chamber can accommodate from 2 to 8 electrically heated shelves with trays, giving a total area ranging from  $0.3\text{m}^2$  to  $1.2\text{m}^2$ .
- For vials: The chamber can accommodate up to 5 electrically heated shelves with trays, giving a total area up to  $0.48\text{m}^2$ .

Other features:

- Touchscreen controller and display of temperature, pressure and time during operation.
- Large capacity, seamless stainless steel condenser with external cooling coils and electric de-icing as standard.
- Front-loading for ease of access, loading and supervision.
- Easy service and maintenance.
- Customization, such as vials, bulk, top chamber  $\phi 500$  or manifold

