

## Vaccine Cold Chain Solutions

Ultra Low Freezers are devices intended for the storage of blood components and blood plasma, human cells, tissues, live virus vaccines, and other laboratory samples at ultra low temperatures down to -86°C. U models reflect the highest and most uncompromising requirements with state-of-the-art technology and economy. The cooling system is optimally designed with respect to energy consumption as well as to the development of waste heat and noise. Standard factory setpoint is -82°C and temperature is adjustable from -20°C to -86°C.



### Product Number: U701

|  |   |              |             |                  |                 |                    |             |
|--|---|--------------|-------------|------------------|-----------------|--------------------|-------------|
| <i>Gross / Net volume (l)</i>  | 747 / 720   |              |             |                  |                 |                    |             |
| <i>Storage capacity</i>  | <table border="0"> <tr> <td><i>Vials</i></td> <td>50000 (2ml)</td> </tr> <tr> <td><i>Cryoboxes</i></td> <td>575 (model H50)</td> </tr> <tr> <td><i>Plasma bags</i></td> <td>500 (350ml)</td> </tr> </table> | <i>Vials</i> | 50000 (2ml) | <i>Cryoboxes</i> | 575 (model H50) | <i>Plasma bags</i> | 500 (350ml) |
| <i>Vials</i>   | 50000 (2ml)   |              |             |                  |                 |                    |             |
| <i>Cryoboxes</i>   | 575 (model H50)   |              |             |                  |                 |                    |             |
| <i>Plasma bags</i>   | 500 (350ml)   |              |             |                  |                 |                    |             |
| <i>Set temperature (preset)</i>  |   |              |             |                  |                 |                    |             |
| <i>Set temperature (setting range)</i><br><i>can be adjusted in steps of 0.1°C</i> |   |              |             |                  |                 |                    |             |
| <i>Preset cold / warm alarm limit</i>  |   |              |             |                  |                 |                    |             |
| <i>Hold over time (-80°C to -60°C)</i>   | 1 h 18 min.   |              |             |                  |                 |                    |             |
| <i>Climate class (ambient temperature range)</i>                                   |   |              |             |                  |                 |                    |             |
| <i>Defrosting technique</i>  |   |              |             |                  |                 |                    |             |
| <i>Refrigerant type</i>  |   |              |             |                  |                 |                    |             |
| <i>External dimensions H x W x D (mm)</i>  | 1988 x 992 x 1039   |              |             |                  |                 |                    |             |
| <i>Inner dimensions H x W x D (mm)</i>   | 1370 x 740 x 713  |              |             |                  |                 |                    |             |
| <i>Net weight with standard equipment (kg)</i>                                     | 297   |              |             |                  |                 |                    |             |

## Vaccine Transport Boxes

### PASSIVE RANGE



RCW 1



RCW 25

|                              |         |         |
|------------------------------|---------|---------|
| Gross volume (l)             | 5.4     | 44      |
| Vaccine storage capacity (l) | 1.18    | 20      |
| Cooling system               | Passive | Passive |

## LABORATORY REFRIGERATORS

Laboratory Refrigerators for the safe storage of samples, specimens, cultures and other laboratory preparations at cold temperatures between +4°C and +15°C with multiple controls and warning safety features developed as a result of 40 years of experience in refrigeration technology.

### Technical Data General features



L55



L130



L290



L380

|   |                       |                       |                       |                       |
|---|-----------------------|-----------------------|-----------------------|-----------------------|
| Gross / Net volume (l)  | 52 / 45               | 121 / 106             | 297 / 269             | 362 / 329             |
| Set temperature (preset)  |                       |                       | +5°C                  |                       |
| Set temperature (setting range)<br><small>can be adjusted in steps of 0.1°C</small> |                       |                       | +4°C to +15°C         |                       |
| Preset cold / warm alarm limit  |                       |                       | +3°C / +7°C           |                       |
| Hold over time  | 1.3 h (+5°C to +10°C) | 1.5 h (+5°C to +10°C) | 1.0 h (+5°C to +10°C) | 0.9 h (+5°C to +10°C) |
| Climate class (ambient temperature range)   |                       |                       | SN (+10°C to +32°C)   |                       |
| Defrosting technique  |                       |                       | Natural               |                       |
| Refrigerant type  |                       |                       | R600a                 |                       |
| External dimensions H x W x D (mm)  | 670 x 495 x 575       | 830 x 595 x 695       | 1670 x 595 x 695      | 1980 x 595 x 695      |
| Inner dimensions H x W x D (mm)   | 470 x 375 x 350       | 630 x 475 x 470       | 1470 x 475 x 470      | 1790 x 475 x 470      |
| Net weight with standard equipment (kg)   | 38                    | 59                    | 94                    | 107                   |