

# Your Personal -80 °C

Direct access to secure sample safety—CryoCube® F101h



# Your Samples, Close at Hand

## Keep your samples within reach

The CryoCube F101h ULT freezer offers a personal storage solution in a comfortable package. It easily fits under your bench so your samples are always securely close-at-hand. Designed for your convenience, the CryoCube F101h is the latest addition to the -80 °C Eppendorf Freezer Family.

- > Space for up to 6,000 vessels (1.5 mL) for your personal sample storage
- > Green cooling and green foam insulation for high sustainability
- > Fits under bench for space-saving set-up
- > Tech data based on external test house review for independent validation

## Sample Safety

- > Short pull-down times to -80 °C (140 min) and quick door opening recovery (60 s opening; 27 min recovery) for fast return to set temperature of -80 °C
- > Efficient and reliable 2-stage compressor systems

## Sustainability

- > Environmentally-friendly insulation with green foam, vacuum insulation panels, and insulated inner doors for energy-efficient storage
- > Green cooling liquids (R170/ R290) with very low global warming potential (GWP)
- > Over 10 years of experience at Eppendorf with green cooling liquids in -80 °C applications
- > Energy consumption: **230 V** (-70 °C / -80 °C): 4.6 KWh/day / 6.3 KWh/day





**A** Lockable power switch and intuitive touchpad controls for safe and easy handling

**D** Quick-access vent port for faster opening times and smoother operation

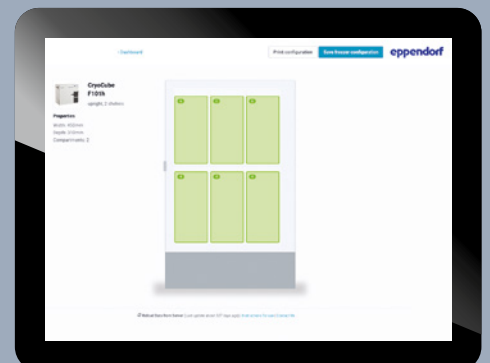
**B** Easy-access air filter for convenient cleaning without tools

**E** Easy integration of eLABInventory sample management software

**C** Removable inner doors for easy cleaning. Inner doors are insulated and sealed for increased sample safety

## Design

- > Up to 6 racks and 60 boxes per freezer for efficient storage in a small footprint
- > 83 cm (32.7 in) height for convenient installation below the bench
- > Rear wheels provide easy mobility
- > Stainless steel chamber for easy cleaning
- > Stainless steel and aluminum racks available for a variety of tube and storage box sizes
- >



Rack configurator: Drag & Done

## Technical Specifications

<b>Insulation</b>	Vacuum insulation paneling / polyurethane foam	<b>Dimensions (W x D x H)<sup>1)2)3)</sup></b>	90 x 56.6 x 83 cm / 35.4 x 22.3 x 32.7 in
<b>Wall Thickness</b>	Type B (80 mm)	<b>Dimensions internal (W x D x H)</b>	48 x 33 x 64 cm / 18.9 x 13 x 25.2 in
<b>Capacity</b>	101 L / 3.6 ft <sup>3</sup>	<b>Weight w/o accessories</b>	123 kg / 271 lbs
<b>No. of inner doors</b>	2	<b>Shipping weight</b>	152 kg / 335 lbs
<b>No. of compartments</b>	2	<b>Pull-down time to -80 °C (230 V)<sup>4)</sup></b>	140 min
<b>Max. racks per freezer</b>	6	<b>Recovery to -80 °C (60 s opening)<sup>4)</sup></b>	27 min
<b>Box capacity per rack / freezer</b>		<b>Noise level</b>	55 dBA
<b>53 mm (2 in) tall boxes</b>	10 / 60	<b>Power supply</b>	230 V, 50 Hz / 115 V, 60 Hz
<b>76 mm (3 in) tall boxes</b>	6 / 36	<b>Power consumption (230 V, -70 °C / -80 °C)<sup>5)</sup></b>	4.6 KWh/day / 6.3 KWh/day
<b>89 mm (3.5 in) tall boxes</b>	4 / 24	<b>Max. power consumption per 53 mm box (230 V)<sup>5)</sup></b>	105 Wh/day
<b>102 mm (4 in) tall boxes</b>	4 / 24	<b>Max heat output (230 V)</b>	263 W
<b>Maximum sample capacity</b>		<b>Interior</b>	Stainless steel
<b>53 mm (2 in) tall boxes</b>	6,000	<b>Exterior</b>	Powder-coated steel
		<b>Extras</b>	Stackable, fits below bench
		<b>Cooling liquid</b>	R290 / R170
		<b>Device management</b>	VisioNize® box

<sup>1)</sup> Optional CO<sub>2</sub>/LN<sub>2</sub> backup systems add 8.65 cm/3.5 in to height.

<sup>2)</sup> To allow for handles and hinges, add 80 mm to width of upright freezers.

<sup>3)</sup> Door open adds up to 15 cm.

<sup>4)</sup> Empty freezer with shelves fitted, upright freezers only, pull down from 20 °C ambient conditions.

<sup>5)</sup> Empty freezer with shelves fitted, upright freezers only, set point -80 °C, 20 °C ambient conditions.

## Ordering Information

Description	Order No.
CryoCube® F101h, 230 V	F101 340.001
CryoCube® F101h, 115 V	F101 240.005
Freezer racks	Please inquire online
Freezer storage boxes	Please inquire online
CO <sub>2</sub> and LN <sub>2</sub> back-up system	Please inquire online
eLABInventory Sample Management Software	Please inquire online
eLABJournal Electronic Lab Notebook Software	Please inquire online
VisioNize® Device Management Software	Please inquire online
VisioNize® box	1006 000.009
Ethernet cable, 5 m	1006 073.006



The Eppendorf Storage Boxes provide secure storage for your sample tubes in a space-saving design. The extensive portfolio offers a wide selection for tubes from 0.5 mL to 50 mL.



# WolfLabs

**Pricing on any accessories shown can be found by keying the part number into the search box on our website.**

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

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