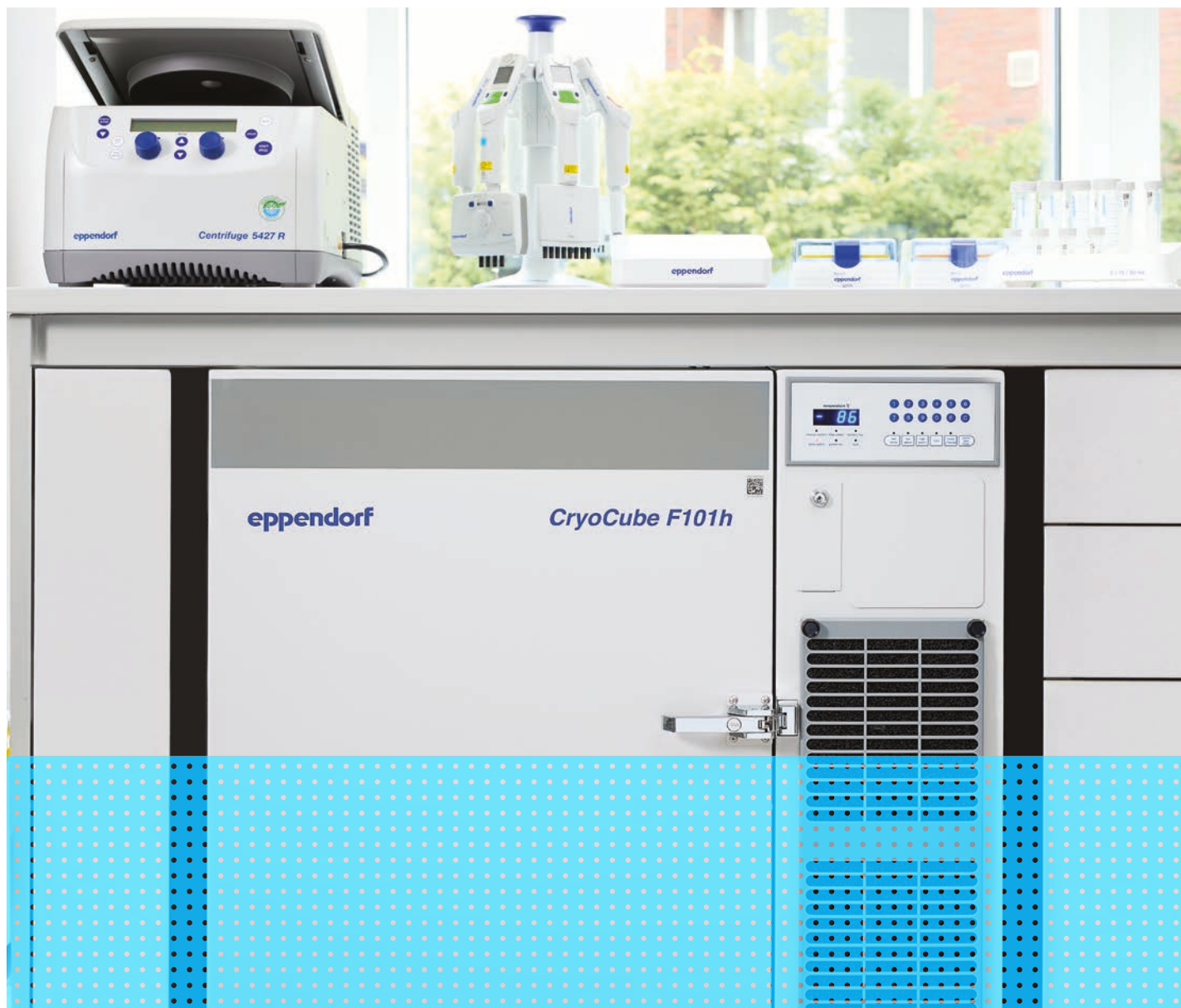




Your Personal -80 °C

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 next generation CryoCube F101h is the latest addition to the -80 °C Eppendorf Freezer Family.

- > Space for up to 6,600 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

User-friendly

- > Automatic vent port for quick re-access to samples
- > Easy access to filter enables regular cleaning, resulting in better performance
- > Flexible shelf positions for customizable setup



Need a reliable storage partner?

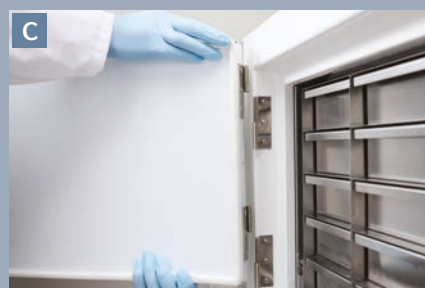
- > Up to 66 boxes, organized in 6 racks for easy sample retrieval
- > Heavy duty shelves for loads up to 30 kg (66 lbs)
- > Stainless steel chamber for easy cleaning
- > Robust, powder-coated outer housing



Keep your samples safe

- > Short pull-down times to -80°C and fast door opening recovery for safe return to -80°C
- > Efficient and reliable 2-stage compressor system
- > Internal temperature probe located in the middle for reliable measurement

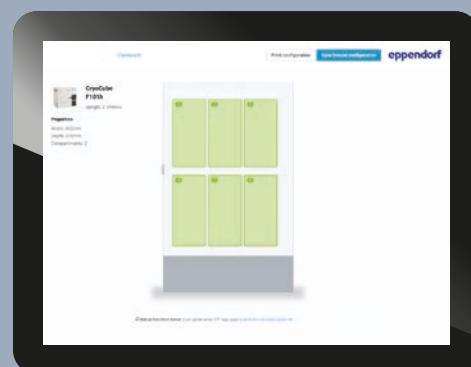




- A** Lockable power switch and intuitive touchpad controls for safe and easy handling
- B** Easy-access air filter for convenient cleaning without tools
- C** Removable inner doors for easy cleaning. Inner doors are insulated and sealed for increased sample safety
- D** Quick-access vent port for faster opening times and smoother operation
- E** Easy interaction with eLabInventory® sample management software

Design

- > Up to 6 racks and 66 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
- > To customize your rack selections and easily export your set-up to eLabInventory, visit the online rack configurator tool at: <https://econfig.bio-itech.de>



Rack configurator: Drag & Done

Digitize Your Lab

Remember Your Last 2 a.m.

Wake-up Call?

Explore the **VisioNize® Lab Suite**

VisioNize Lab Suite is your software solution for effective monitoring and maintenance management to prevent sample storage emergencies. Gain access to a modular range of services and choose what is needed in your lab. These services integrate seamlessly to support you and your lab – with future updates for a sustainable investment. As you and your lab expand over time, **VisioNize Lab Suite** will evolve as well to meet your needs.

Benefit from 24/7 notification & monitoring for your ULT freezers and high-value stored samples.



VisioNize box

- > Connect your Eppendorf devices to the **VisioNize Lab Suite** for optimal monitoring
- > The hardware hub works as a data decoding and translation system enabling the collection of device data in **VisioNize Lab Suite**



VisioNize sense

- > Independent temperature measurement for Eppendorf and non-Eppendorf freezers
- > Monitor your device and lab environment in **VisioNize Lab Suite**

More information:

www.eppendorf.com/VisioNize



eLabInventory

Lost in Samples? Stay Organized!

Over many years, scientists collect thousands of samples – samples that are the results of years of hard work, samples of high value. Keep track of your samples with eLabInventory®, the sample management software:

- > Intuitive user interface for easy handling
- > Compatible with Eppendorf SafeCode System
- > Track and tracing for audit trail, supports GLP compliant
- > Supports 21 CFR part 11 compliance for documentation security

Start a free 30-day trial! Visit
www.eLabInventory.com/eppendorf





Be Sustainable

- > 100% renewable power usage in our production
- > Assembled under EU/ UK social and environmental standards
- > Environmentally-friendly insulation with green foam, vacuum insulation panels, and insulated inner doors for energy efficient storage
- > 2 compartments with 2 inner doors for safe and reliable sample storage
- > 80 mm thick walls for long warm-up times
- > Green cooling liquids (Hydrocarbons: R170/ R290) with very low global warming potential (GWP) — for compliance with the European F-Gas regulation and US SNAP regulation
- > Low energy consumption of 4.7 KWh/day (230 V) and 5.1 KWh/ day (115 V) combined with efficient cooling performance and long lifespan from Eppendorf ULT freezers that you can rely on
- > Experience at Eppendorf with green cooling liquids for -80 °C applications in R&D, production, logistics, and service in the field since 2008

Fitness for Your ULT Freezer



Take good care of your freezer

Taking care of your freezer can help ensure optimal storage of your samples for years to come.



Therefore, we strongly recommend that you perform the following actions on a regular basis:

Freezer maintenance		As needed	3 months	6 months	12 months
Cleaning door gaskets	Dry cloth, brush	■			
Remove snow/ thin ice	Cloth, brush	■			
Vacuum relief port	Cloth	■			
Filter	Vacuum	■	■		
Condenser cleaning	Vacuum			■	
Defrost and cleaning	Power off, dry				■

In addition to our extensive standard warranty, Eppendorf offers ULT Freezer Performance Plans to suit your lab’s needs while enhancing your peace of mind. You can choose between essential function checks, preventive maintenance plans, or Installation and Operational (IQ/OQ) certification services. Protect your priceless samples.

Technical Specifications*

Insulation	Vacuum insulation paneling / polyurethane foam	Dimensions (W x D x H)¹⁾²⁾³⁾	93.6 x 62.9 x 83.4 cm / 36.9 x 24.8 x 32.8 in
Wall Thickness	Type B (80 mm)	Dimensions internal (W x D x H)	48 x 33 x 64 cm / 18.9 x 13 x 25.2 in
Capacity	101 L / 3.6 ft ³	Weight w/o accessories	123 kg / 271 lbs
No. of inner doors	2	Shipping weight	153 kg / 337 lbs
No. of compartments	2	Pull-down time to -80 °C (230 V / 115 V)⁴⁾	120 min / 115 min
Max. racks per freezer	6	Recovery to -80 °C, 60 s opening (230 V / 115 V)⁴⁾	21 min / 18 min
Box capacity per rack / freezer		Noise level (230 V / 115 V)	39.7 dBA / 43.2 dBA
53 mm (2 in) tall boxes	10 / 60 (12 / 66)	Power supply	230 V, 50 Hz / 115 V, 60 Hz
76 mm (3 in) tall boxes	6 / 36	Power consumption, (-70 °C / -80 °C)⁵⁾	230 V: 3.2 KWh/day / 4.7 KWh/day 115 V: 3.5 KWh/day / 5.1 KWh/day
89 mm (3.5 in) tall boxes	4 / 24	Max heat output (230 V / 115 V)	213 W / 196 W
Maximum sample capacity		Interior	Stainless steel
53 mm (2 in) tall boxes	6,600	Exterior	Powder-coated steel
		Extras	Fits below bench
		Cooling liquid	R290 / R170
		Device management	VisioNize® box

* Technical specifications subject to change

¹⁾ Optional CO₂/LN₂ backup systems add 8.65 cm/3.5 in to height.

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

³⁾ Door open adds up to 15 cm.

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

⁵⁾ 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 340.061
CryoCube® F101h, 115 V	F101 240.065
Padlock option	F652 999.010
Freezer racks	Please inquire online
Freezer storage boxes	Please inquire online
CO₂ and LN₂ 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.

Your local distributor: www.eppendorf.com/contact
Eppendorf SE · Barkhausenweg 1 · 22339 Hamburg · Germany
eppendorf@eppendorf.com • www.eppendorf.com

www.eppendorf.com/freezers