



# Clean and Green

CO<sub>2</sub> Incubator for accelerating your drug discovery research

# CellXpert® for Pharmaceutical R&D

## For stable growth conditions and reproducible results: the CellXpert C170i CO<sub>2</sub> Incubator

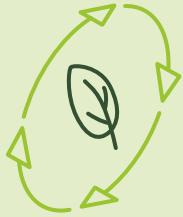
In addition to choosing the appropriate assay, homogeneous incubation conditions inside the CO<sub>2</sub> incubator are critical to decrease data variability. The CellXpert C170i from Eppendorf supports researchers to achieve more reliable results of cell-based assays.



The CellXpert C170i CO<sub>2</sub> supports cell culture work in GMP and GLP environments with the following features and certificates (available upon request):

- > ISO class 4/GMP grade A cleanroom certified (ISO 14644-1)
- > Effectiveness of 180 °C sterilization certified
- > Cytotoxicity test of materials: passed (ISO 10993-5:2009)
- > Extended production certificate of quality and MOC list
- > Cleaning recommendations & chemical resistance overview
- > Temperature homogeneity certificate (ISO 12880:2007-05)
- > Parameter and event data log plus export, including
- > IQ/OQ GxP Service
- > and more...





### Sustainability by saving Gas and Energy

- > Low CO<sub>2</sub> consumption during usage (CO<sub>2</sub> consumption at 5 % (w/o door opening) <1 L/24 h) and N<sub>2</sub> in case of anaerobic experiments
- > Low energy consumption per experiment during usage due to high vessel capacity (25 % more) and segmented inner door
- > No fan-associated HEPA filter or its regular replacement required; this means less waste to dispose of and change insulation of incubators from glass wool to rock wool

### Easy cleaning and reliable contamination prevention

- > Seamless stainless steel chamber
- > Fanless design and few internal parts
- > 180 °C automatic sterilization
- > Option for 4- or 8-segmented inner doors
- > Options for antimicrobial copper interior

### Optimized growth conditions for more reproducible results

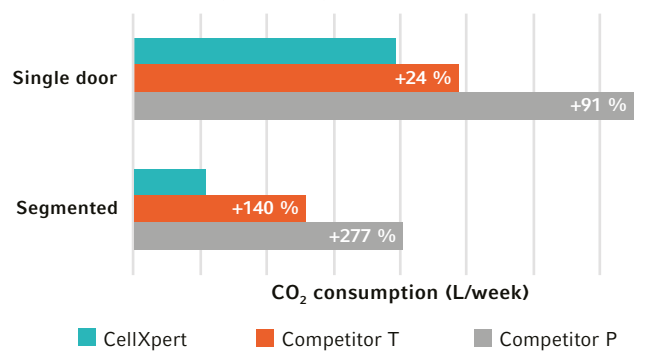
- > Fast temperature and CO<sub>2</sub> recovery in less than 5 min after door opening, with no setpoint overshoot
- > Fanless design for optimized vibration and air turbulence protection
- > Temperature homogeneity verified at 27 spots inside



### Save on costs, time, and lab space

- > No internal expendable parts like fan-associated HEPA filters
- > Significantly reduced gas consumption by smart gas control
- > Up to 25 % more usable space by fanless design and innovative insulation concept
- > Stackable with devices from other manufacturers

### Comparison: CO<sub>2</sub> Consumption Single vs. Segmented Inner Door



# Learn more:

## Easy cleaning and disinfection

Disassemble the chamber components within 40 seconds, quickly wipe the seamless chamber, and simply start the 180 °C sterilization.



Watch our video: Easy cleaning and reliable contamination prevention

## Uniform temperature verified at 27 spots inside

The novel approach of multiple, independent temperature sensors inside was verified according to the German DIN 12880:2007-05 norm.



Download White Paper 056: CO<sub>2</sub> Incubator Temperature Control

## Save up to 7,300 € (\$ 8,000) over 5 years

Running costs for a CO<sub>2</sub> incubator easily exceed its purchase price over time. Hidden costs are significant, like regular replacement of HEPA-filters, low capacity, or high gas consumption.



Download Flyer: How to save money and lab space

## GMP-compatible

The CellXpert stands out as a third-party certified ISO class 4/GMP grade A clean-room compatible CO<sub>2</sub> incubator. Certificates, features, and IQ/OQ GxP services support cell culture work in GMP and GLP environments.



Download Flyer: List of GMP-relevant certificates & features

### CellXpert® C170i Ordering Information

#### Recommended CellXpert® C170i configuration:

- > 4-segmented inner doors
- > Water level and humidity monitoring

Description	Order no.				
	230 V, 50/60 Hz European	230 V, 50/60 Hz UK/HKG	230 V, 50/60 Hz Australia	230 V, 50/60 Hz China	100–120 V, 50/60 Hz USA/Japan
Door handle right	6731 000.341	6731 000.342	6731 000.343	6731 000.344	6731 000.345
Door handle left	6731 000.351	6731 000.352	6731 000.353	6731 000.354	6731 000.355
Copper package for critical parts (water tray and shelves)	6731 080.013	6731 080.013	6731 080.013	6731 080.013	6731 080.013

Learn more about the new CellXpert, available options, and request an individual quote:

[www.eppendorf.com/co2-incubators](http://www.eppendorf.com/co2-incubators)

Your local distributor: [www.eppendorf.com/contact](http://www.eppendorf.com/contact)

Eppendorf SE · Barkhausenweg 1 · 22339 Hamburg · Germany  
[eppendorf@eppendorf.com](mailto:eppendorf@eppendorf.com) · [www.eppendorf.com](http://www.eppendorf.com)

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