

CO₂ Incubator



The perfect environment for superior cell growth.

Secure, reproducible CO₂ incubation with precise humidity control, intelligent hygiene design and advanced connectivity features.

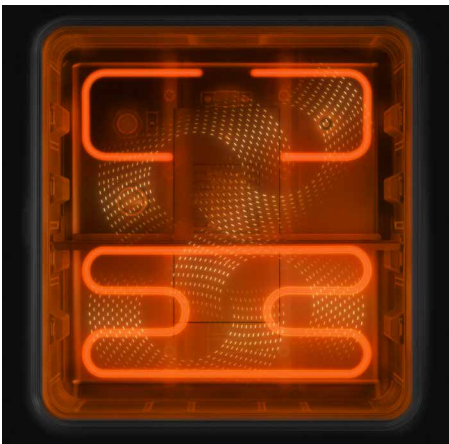
PRECISE AND REPRODUCIBLE CELL CULTIVATION

The Memmert ICO CO₂ incubator is designed to provide stable, homogeneous cultivation conditions for delicate cell cultures across research, development and clinical applications.

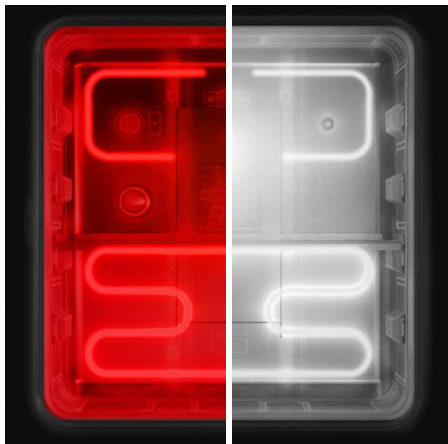
Precise temperature control, active humidification and dehumidification plus optimised airflow management ensure condensation-free stability inside the working chamber at 37 °C and 95 % rH.

The ICO CO₂ incubator's reliable, reproducible growth environment makes it ideally suited for even the most sensitive cell culture applications.

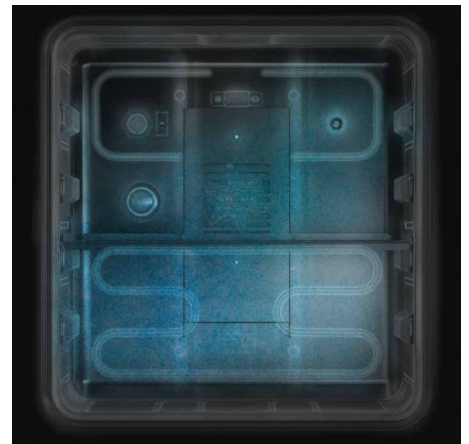
The ICO combines top performance with enhanced energy efficiency and meets the highest sustainability standards – certified with the ACT Label.



Homogeneous distribution of temperature, humidity and CO₂



Integrated 180 °C hot air sterilisation



O₂ control for anaerobic applications (optional)

KEY PERFORMANCE FEATURES



- 01** Condensation-free operation up to 95% rH at 37 °C
- 02** Stable and homogeneous distribution of temperature, humidity and CO₂ for maximum process reliability
- 03** Integrated sterilization and intelligently engineered hygienic design
- 04** Optional O₂ control for anaerobic applications
- 05** ACT Label certified for verified laboratory sustainability

APPLICATIONS



The Memmert ICO is designed for demanding cell culture applications in research, clinical environments and pharmaceutical development.

Wherever precisely controlled environmental conditions are required for sensitive biological materials, the ICO ensures stability and reproducibility.

Typical fields of application

- 01** Regenerative medicine and stem cell research – consistent and reproducible conditions for cultivating sensitive stem cells
- 02** Personalized medicine
- 03** Spheroid and Organoid research
- 04** Diagnostics
- 05** CAR T-cell therapy
- 06** Pharmacology
- 07** IVF – stable CO₂ and humidity conditions for delicate cell and tissue samples

SAFETY AND CONNECTIVITY

The ingeniously designed door handle with integrated touch display sets new standards in operating convenience and ergonomics. All parameters and functions are directly incorporated into the handle – always visible and intuitively accessible. The modern user interface ensures maximum clarity and effortless navigation in daily operation.

This innovative operating concept is complemented by intelligent security features with fingerprint or RFID authentication, structured user management and comprehensive audit trails, guaranteeing complete transparency and controlled, fully traceable device access at all times.

MAXIMUM HYGIENE

Smooth interior surfaces, generous radii and high-quality stainless-steel design allow for particularly easy cleaning. The 180 °C hot-air sterilisation and

Fully integrated into the myChamber ecosystem:

myChamber App: Remote monitoring of ongoing processes via smartphone

myChamber Control: Device management and programming software

myChamber LIMS: Audit-compliant integration into LIMS systems

myChamber Link: Remote access to your devices

integrated HEPA filter with full air exchange every 60 seconds ensure uncompromising hygiene and minimise downtime.



AVAILABLE MODELS

ICO 50



ICO 105



ICO 180



ICO 240



Internal Dimensions (W, H, D)

400 x 425 x 330 mm

560 x 480 x 400 mm

600 x 590 x 500 mm

600 x 810 x 500 mm

External Dimensions (W, H, D)

548 x 671 x 529 mm

708 x 726 x 599 mm

748 x 836 x 699 mm

749 x 1056 x 699 mm

Volume

56 liters

107,5 liters

177 liters

243 liters

Temperature range

+20 to +50 °C

+20 to +50 °C

+20 to +50 °C

+20 to +50 °C

Setting range CO2

0 to 20 %

0 to 20 %

0 to 20 %

0 to 20 %

Setting range humidity control

40 to 98 % and rH-Off

40 to 98 % and rH-Off

40 to 98 % and rH-Off

40 to 98 % and rH-Off

Max. number of internals

4

5

6

9

Max. loading of chamber

75 kg

90 kg

120 kg

140 kg

Max. loading per internal

15 kg

15 kg

15 kg

15 kg

CONTACT

Learn more about the Memmert ICO and explore detailed technical specifications, digital solutions, and application examples.

Visit [memmert.com/ico](https://www.memmert.com/ico)

For personal consultation, quotations, or technical questions, please contact your local Memmert representative or our international sales team.

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We reserve the right to make technical changes - dimensions are not binding

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