memmert

CO_2 Incubator

ICO



BRAND NEW

The perfect environment for superior cell growth.

Secure, reproducible CO_2 incubation with precise humidity control, intelligent hygiene design and advanced connectivity features.

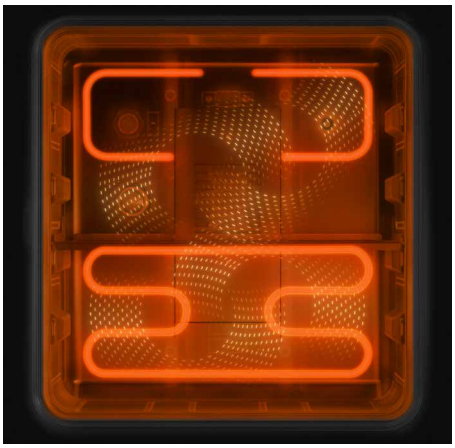
PRECISE AND REPRODUCIBLE CELL CULTIVATION

The Memmert ICO CO_2 incubator is designed to provide stable, homogeneous cultivation conditions for delicate cell cultures across research, development and clinical applications.

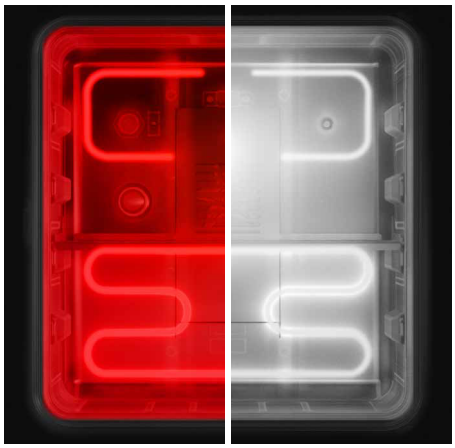
Precise temperature control, active humidification and dehumidification plus optimised airflow management ensure condensation-free stability inside the working chamber at 37 °C and 95 % rH.

The ICO CO_2 incubator's reliable, reproducible growth environment makes it ideally suited for even the most sensitive cell culture applications.

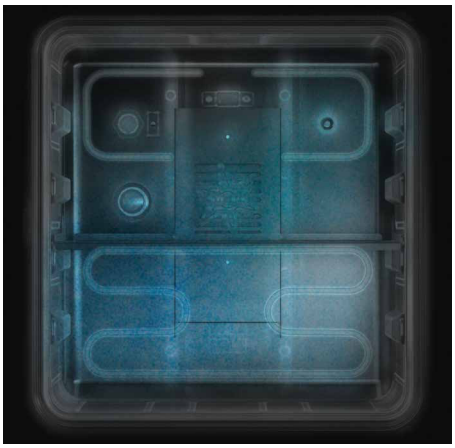
The ICO combines top performance with enhanced energy efficiency and meets the highest sustainability standards – certified with the ACT Label.



Homogeneous distribution of temperature, humidity and CO_2



Integrated 180 °C hot air sterilisation



O_2 control for anarobic 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 CO_2 for maximum process reliability

03 Integrated sterilization and intelligently engineered hygienic design

04 Optional O_2 control for anaerobic applications

05 ACT Label certified for verified laboratory sustainability

my green lab.
ACT Ecolabel



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 CO_2 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.

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



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 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

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

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