



Heratherm Microbiological Incubators

Safe, easy and efficient

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Each of our new laboratory incubators is designed with sample protection as top priority.

Thermo Scientific™ Heratherm™ Microbiological Incubators are available in four models, providing three incubator airflow technologies in a choice of six sizes.



- Thermo Scientific™ Heratherm™ Compact Microbiological Incubator
- Thermo Scientific™ Heratherm™ General Protocol Microbiological Incubator
- Thermo Scientific™ Heratherm™ Advanced Protocol Microbiological Incubator
- Thermo Scientific™ Heratherm™ Advanced Protocol Security Microbiological Incubator



Heratherm microbiological incubators family includes optional stainless steel models. All units are cCSAus marked.

Safe, easy, efficient

Discover why laboratories across the globe rely on Thermo Scientific products every day

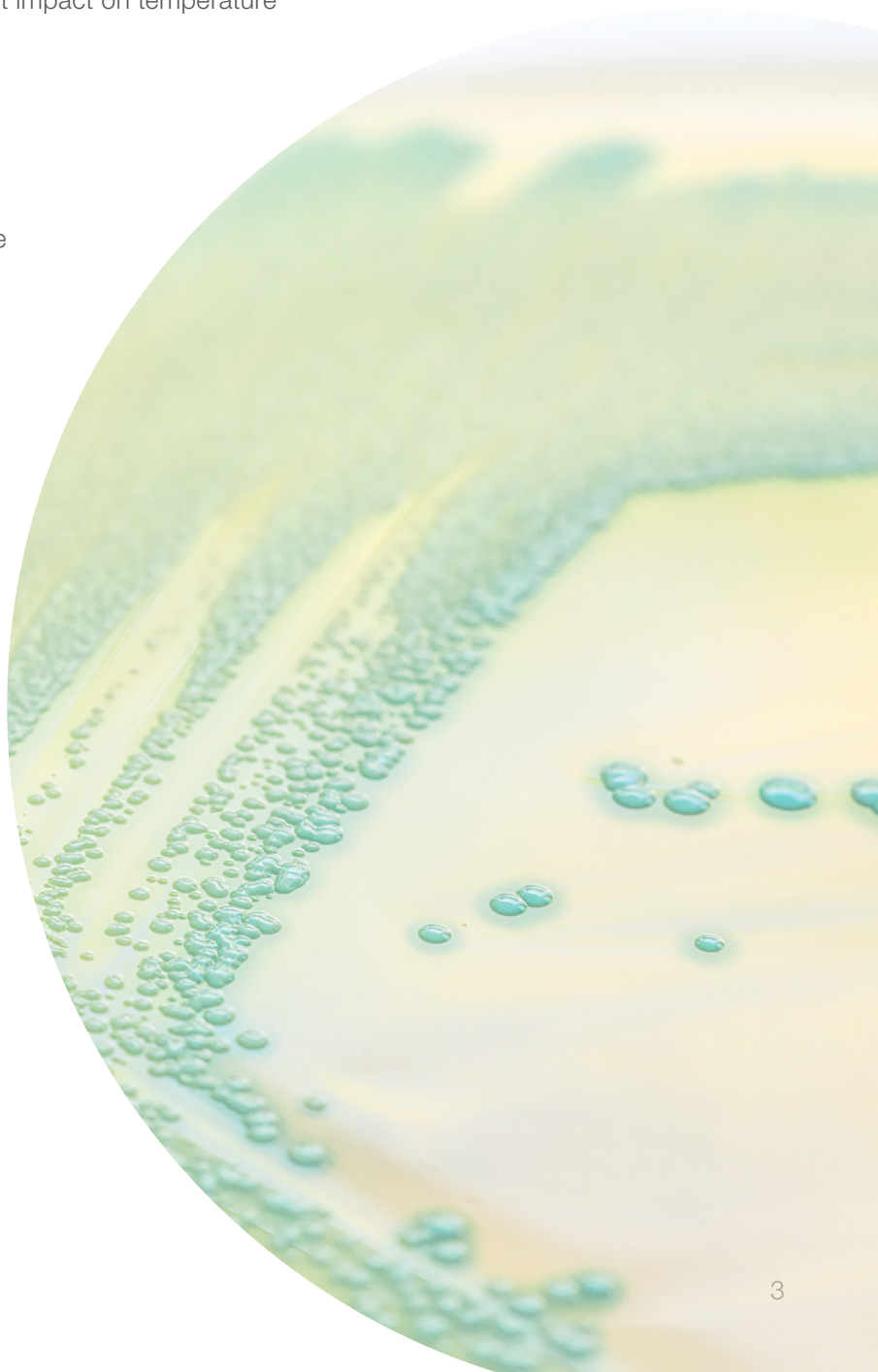
Successful incubation is dependent upon the environmental conditions. As such, you need to trust that your valuable samples are maintained in a safe and efficient manner.

Heratherm microbiological incubators are designed to provide long-term performance with optimal conditions – and are backed by a two-year warranty on parts and labor, enabling confidence for your investment.*

- View of samples through internal glass door, without impact on temperature
- Exceptional temperature uniformity
- Containment with automatic overtemperature alarm
- Alarm for temperature deviations
- Easy temperature setting with intuitive user interface
- Easy to remove shelf system
- Easy to clean interior with rounded corners
- Easy to read large display
- Efficient small footprint to optimize laboratory space
- Efficient utilization of interior with flexible shelf system
- Conveniently stackable without the need for tools or stacking kits**

* Subject to Thermo Fisher Scientific Standard Limited Warranty. See www.thermoscientific.com or product literature for details.

**Optional stacking kit only required if decon cycle or oven is used below or for stacking different sizes.



Innovative technology for outstanding versatility



FEATURES	Compact incubator	General protocol incubators		Advanced protocol incubators	Advanced protocol security incubators	
	Table top	Table top	Large capacity	Table top	Table top	Large capacity
Temperature range	17 - 50 °C	ambient +5 °C - 75 °C		ambient +5 °C - 105 °C		ambient +5 °C - 105 °C
Convection technology	Mechanical	Gravity		Dual		Mechanical
Fan speed adjustable	•	•		6 speeds		gentle / fast
Rounded corners	✓	✓		✓		✓
Microprocessor control	✓	✓		✓		✓
Automatic overtemperature alarm (audible and visual)*	•	✓		✓		✓
Access port	•	✓		✓		✓
Stackable	•	✓	•	✓	✓	•
Stainless steel interior	•	AISI 430		AISI 304		AISI 304
RS232 interface	•	✓		✓		✓
Internal glass door	•	✓		✓		✓
Easy calibration routine	✓	✓		✓		✓
Timer functions	•	On / Off		choice of weekly/ hourly/ real time		choice of weekly/ hourly/ real time
Dry alarm contact for connection of alarm device	•	•		✓		✓
Optional stainless steel exterior	•	•		•		✓
Certified decontamination cycleup	•	•		•		✓
Automatic undertemperature alarm	•	•		•		✓
Door alarm	•	•		•		✓
Lockable door	•	•		•		✓
Connection for optional sample temperature sensor	•	•		•		✓

*Class 3.1 overtemperature protection, just without the hassle of setting manually. Note: All units have doors with 180° door opening for easy access.

Three airflow technologies

01

Gravity convection

provides gentle airflow, with minimized drying out of samples. An exceptional choice for applications with open plates or open containers.

02

Mechanical convection

provides temperature uniformity and stability to help ensure an optimal environment for your samples.

Fan enables fast recovery time after opening the door. A mechanical convection incubator can even be used for drying applications at high temperature settings – eliminating the need for an additional oven.

03

Dual convection

is a unique technology which allows the operator to choose the fan speed – from 0% (which equals gravity convection) up to 100%. Depending on the application, the speed can be adapted to provide optimal airflow for your valuable samples. Even at 0% fan speed, temperature uniformity and stability are great.



Select the right model for your needs

Application	Material/ solution	Sample requirements	Recommended solution
Bacterial research	Bacteria	Temperatures between 30°C and 70°C	General Protocol, Advanced Protocol or Advanced Protocol Security for highest temperature accuracy, and time control
Microbiology	Microorganisms, cells	Temperatures between 30°C and 70°C	
Coliform determination	Bacteria	Temperature around 37°C	
Histology	Tissue	Temperature around 37°C	
Paraffin embedding	Paraffin	Temperatures of 37°C to around 50°C	General Protocol, Advanced Protocol or Advanced Protocol Security for highest temperature accuracy, and time control
Egg incubation	Eggs	Temperature around 37°C	
Heated storage	Media, samples	Temperature depends on material and specific application – between 30°C and 105°C	General Protocol for temperatures up to 75°C, Advanced Protocol or Advanced Protocol Security for highest temperature accuracy, and time control – up to 105°C
Gene cloning	Bacteria, cells	Temperature around 37°C	Advanced Protocol for highest temperature accuracy and time control Advanced Protocol Security with additional safety features for peace of mind
Pharmaceutical stability testing	Various	Temperatures of 37°C up to 105°C	
Food and beverage testing	Various	Temperatures of 37°C up to 105°C	
BOD/water pollution testing	Water	Temperature around 20°C	Compact
Yeast growth	Yeast	Temperatures between 10°C and 37°C	General Protocol for temperatures above ambient +5°C
Hatching of insects, fish	Insects	Temperature near or below ambient	Advanced Protocol or Advanced Protocol Security for highest temperature accuracy or Compact for temperatures as low as 17°C. For lower temperatures check the Heratherm refrigerated models at www.thermoscientific.com/incubators

Footprint comparison*



Making best use of valuable space in your lab, Heratherm microbiological incubators are designed with a very small footprint ratio compared to the interior volume. In addition they are stackable without the need of any tools or stacking devices.**

manufacturer A
manufacturer B

Maximized space efficiency



Heratherm Advanced Protocol Incubators

Exceptional temperature performance for demanding applications

Advanced digital timer

- Turn unit on or off at specified times
- Choose from weekly / real time / hourly settings

Design innovation for superior results

- Dual convection for versatility of application: fan speed adjustable from 0 to 100%
- Advanced digital timer for daily or weekly on/off cycles
- Stainless steel interior (AISI 304) is easy to clean and corrosion resistant

Advanced temperature performance

- Broad temperatures range from 5 °C above ambient to 105 °C – even suitable for drying application
- Temperature uniformity as good as ± 0.2 °C
- Temperature stability at ± 0.1 °C



Heratherm Advanced Protocol Microbiological Incubator with unique dual convection, 180 L model pictured



Heratherm Advanced Protocol incubators with internal socket for connection of electrical device (e.g. stirrer / shaker)

Specifications table/order numbers Advanced Protocol Incubators

Order numbers	51028066	51028067	51028068
Model	IMH60	IMH100	IMH180
Convection technology	Dual convection	Dual convection	Dual convection
Temperature range (°C)	Ambient +5 °C to 105 °C	Ambient +5 °C to 105 °C	Ambient +5 °C to 105 °C
Spatial temperature deviation at 37 °C ¹	$\pm 0.6 / \pm 0.2$ °C	$\pm 0.6 / \pm 0.3$ °C	$\pm 0.6 / \pm 0.4$ °C
Temperature deviation over time at 37 °C	± 0.1 °C	± 0.1 °C	± 0.1 °C
Footprint (m ² / sqft)	0.3 / 3.2	0.36 / 3.9	0.47 / 5.1
Chamber volume (L / cuft)	66 / 2.3	104 / 3.67	178 / 6.3
Interior dimensions (mm / in (W x H x D))	354 x 508 x 368 / 13.9 x 20.0 x 14.5	464 x 608 x 368 / 18.3 x 23.9 x 14.5	464 x 708 x 543 / 18.3 x 27.9 x 21.4
Exterior dimensions (mm / in (W x H x D)) ²	530 x 755 x 565 / 20.9 x 29.7 x 22.2	640 x 855 x 565 / 25.2 x 33.7 x 22.2	640 x 955 x 738 / 25.2 x 37.6 x 29.1
Number of shelves (standard / max)	2 / 13	2 / 16	2 / 19
Max. shelf load (kg / lb)	25 / 55	25 / 55	25 / 55
Rated voltage / frequency (V / Hz)	120 / 60	120 / 60	120 / 60
Rated power / max. current (W / A)	600 / 5	840 / 7	1020 / 8.5
Weight (kg / lb)	45 / 99	56 / 123	70 / 154
Energy consumption at 37 °C (W) ¹	23 / 65	30 / 68	36 / 78

¹ Values refer to: fan off / fan full speed. ² Depth does not include handle/display (65mm / 2.6 in.) and distance spacer at rear (80mm / 3.1 in.); height includes the feet (35mm / 1.4 in.) NOTE: All figures in tables are typical average values for series devices, based on factory standard following norm Din12880. Please contact us for certification information or IQ/OQ documents.