

Incucell

Suitable for safe treatment of microbiological cultures. The incucell line produces no noise and provides a very soft air convection within the chamber, the variant incucell V (with a fan) has an advantage of more precise temperature distribution with small deviations. These devices can be used especially in biological and microbiological laboratories, quality tests in pharmacy, cosmetics and testing in veterinary medicine and food processing industry.

Volume

55, 111, 222, 404, 707 litres

Working temperature

Incucell: 5 °C above ambient temperature up to 70,0 °C / 99,9 °C

Incucell V: 10 °C above ambient temperature up to 70,0 °C / 99,9 °C

Interior

stainless steel, mat. No. 1.4301 (AISI 304)

Inner glass door

The versatile standard line with microprocessor control unit

- 3 programs
- RS-232 interface for printer or PC-communication
- delayed heating start and stop function
- acoustic alarm

time range 99 hours 59 minutes

mechanic safety thermostat class 2

Options

- access ports diameter 25, 50, 100 mm
- door lock
- left door versions (excluded volume 707 litres)
- separate PT100-sensor and display
- communication software for PC (Windows)
- HEPA-filter for installation in an air inlet (only Incucell V)
- expansion of working temperature range up to 99,9°C
- arrangement against drying-up of culture mediums and tissue cultures



The high-tech comfort line with multi-functional microprocessor control unit

- 6 programs
- chip card system for individual program storage
- RS-232 interface for printer or PC-communication
- delayed heating start and stop function
- acoustic alarm
- time range 0-16 years with 1 min-intervals
- digital safety thermostat class 3
- real time
- programming temperature ramps
- heating sequences
- programme cycles
- adjustable ventilation rate 10 to 100 % (only Incucell V)

Options

- access ports diameter 25, 50, 100 mm
- door lock
- left door versions (excluded volume 707 litres)
- door with window and interior lighting
- HEPA-filter for installation in an air inlet (only Incucell V)
- time programmable water protected inner socket (Incucell V)
- communication software for PC (Windows)
- potential-free alarm contact
- independent temperature measuring through PT100-sensor (with indication on LCD display or PC)
- expansion of working temperature range up to 99,9°C
- arrangement against drying-up of culture mediums and tissue cultures

Technical specifications

Technical data		Models	55	111	222	404	707
Interior of stainless steel material No.1.4301	volume	cca ltrs	55	111	222	404	707
	width	cca mm	400	540	540	540	940
	depth	cca mm	370	370	520	520	520
	height	cca mm	350	530	760	1410	1410
Tray	racks	max. No.	4	7	10	19	19
	standard equip-ment	pcs. included	2	2	2	2	2
Maximal weight of the load *	per tray	max. kg	20	20	30	30	50
	inside the oven	max. kg	50	50	70	100	130
Door		No.	1	1	1	1	2
External dimensions (including door and handle)	width	cca mm	620	760	760	760	1160
	depth	cca mm	640	640	790	790	790
	height (incl. Foot and Rolls)	cca mm	680F	860F	1100F	1910R	1910R
	diameter of the air branch outer/inner	cca mm	52/49	52/49	52/49	52/49	52/49
Package dimensions (three layer carton)	width	cca mm	710	850	850	850	1250
	depth	cca mm	720	730	730	860	910
	height (incl. palette)	cca mm	900	1080	1320	2150	2150
Mass	net	cca kg	55	75	100	150	215
	brut	cca kg	61	84	117	165	233
Working temperature (beginning of the regulation)**	incucell/incu-cell V	from 5/10°C above ambient temp. to °C	70/99,9	70/99,9	70/99,9	70/99,9	70/99,9
Temperature accuracy according to DIN 12 880 T2 from the sterilizing temperature of 160 °C up to 18 °C with closed air flap and door	space deviation incucell	cca +/- °C					
	incucell V		< 0,5 ≤ 0,3	< 0,5 ≤ 0,3	< 01 ≤ 0,3	< 1 ≤ 0,8	< 1,5 ≤ 1,5
	time variation	°C	≤ 0,2	≤ 0,2	≤ 0,2	≤ 0,2	≤ 0,2
Time required to reach 37°C with closed air flap and voltage 230 V	incucell	cca min.	49	57	79	41	59
	incucell V		41	51	66	38	51
Heat emission at 37 °C		cca W	30	45	45	60	85
Air exchange speed at 37 °C	incucell	cca/hour	5	5	5	5	5
	incucell V		45	49	24	18	12
Electricity -mains 50/60 Hz	max. power input IC/IV	cca kW	0,3/0,7	0,3/0,7	0,5/0,7	0,9/1,3	0,9/1,3
	stand by	cca W	5	5	5	5	5
	current IC/IV	A	2,6/6	2,6/6	4,4/6	7,8/11,3	7,8/11,3
			1,3/3	1,3/3	2,2/3	3,9/5,7	3,9/5,7
	nominal voltage	V	115	115	115	115	115
			230	230	230	230	230

* Approx. 50% of the tray area can be filled in a way a uniform air circulation is enabled inside the chamber

** Standard type is up to 70°C, optional type is up to 99,9°C

note: All technical data are related to 22°V ambient temperature and +/- 10% voltage swing (if not specified)

Changes in the design and make reserved