

INCUCELL® / INCUCELL® V

Incubators with Natural / Forced Air Convection



Laboratory incubators

- 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: 22, 55, 111, 222, 404, 707 litres

Working temperature:

INCUCELL®:

5°C above ambient temperature up to 99.9°C

INCUCELL® V:

10°C above ambient temperature up to 99.9°C

Inner glass door

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

The Versatile Standard Line with Microprocessor Control Unit

- 3 adjustable programs
- RS 232 – interface for printer or PC-communication
- delayed heating start and stop function
- acoustic and visual alarm in error state
- time range 99 hours 59 minutes
- digital safety thermostat
- manual control of the air exhaust flap (the suction and air exhaust only INCUCELL® V, the air exhaust only INCUCELL®)



Options

- access ports Ø 25, 50, 100 mm (Ø 50, 100 mm is not available for 22 liters volume)
- door lock
- left door versions (excluded volume 22 and 707 litres)
- HEPA filter for installation in an air inlet (INCUCELL® V only)
- arrangement against drying-up of culture mediums and tissue cultures (INCUCELL® V only)
- adjustable ventilation rate 50–100% (only INCUCELL® V)
- special software WarmComm 4.0
- separate PT 100 sensor
- stainless steel casing of the devices

... standard

The High-Tech Comfort Line with Multi-Functional Microprocessor Control Unit

- 6 adjustable programs
- chip card system for individual program storage
- RS 232 – interface for printer or PC-communication
- delayed heating start and stop function
- acoustic and visual alarm in error state
- time range 0–40 years with 1 min-intervals
- digital safety thermostat
- real time
- selectable rate of temperature increase or decrease – "RAMPS"
- programming of program time segments – "SEGMENTS"
- programme cycles
- adjustable ventilation rate 10 to 100%
- manual control of the air exhaust flap (the suction and air exhaust only INCUCELL® V)
- keyboard blocking
- door opening control



Options

- access ports Ø 25, 50, 100 mm (Ø 50, 100 mm is not available for 22-liters volume)
- door lock
- left door versions (excluded volume 22 and 707 litres)
- HEPA-filter for installation in air inlet (INCUCELL® V only)
- timer programmable water protected inner socket
- arrangement against drying-up of culture mediums and tissue cultures
- high temperature decontamination (INCUCELL® V only excluded volume 404 and 707 litres)
- BMS relay alarm contact
- special software WarmComm 4.0
- separate PT 100 sensor
- stainless steel casing of the devices

... comfort line

Technical data		Model	22	55	111	222	404	707
Interior of stainless steel material No. 1.4301	volume	cca ltrs	22	55	111	222	404	707
	width	cca mm	240	400	540	540	540	940
	depth	cca mm	320	370	370	520	520	520
	height	cca mm	295	350	530	760	1410	1410
External dimensions (including door and handle)	width	cca mm	406	620	760	760	760	1160
	depth	cca mm	580	640	640	790	790	790
	height (incl. Foots and Rolls)	cca mm	604	680	860	1090	1910	1910
	diameter of the air branch outer/inner	cca mm	52/49	52/49	52/49	52/49	52/49	52/49
Package dimensions (three layers carton)	width	cca mm	465	700	830	830	830	1230
	depth	cca mm	665	730	730	860	860	860
	height	cca mm	655	880	1050	1280	2070	2080
Trays	racks	max. No.	4	4	7	10	19	19
	standard equipment	pcs. included	2	2	2	2	2	2
	distance between guide rails	mm	60	70	70	70	70	70
	storage area (w x d)	mm	185x265	380x335	520x335	520x485	520x485	920x485
Admissible weight of trays *)	per 1 tray	kg	10	20	20	30	30	50
	for a rack	kg	10	20	20	30	30	20
	together inside the oven	kg	25	50	50	70	100	130
Door		No.	1	1	1	1	1	2
Weight	netto	cca kg	31	55	75	100	150	215
	brutto	cca kg	36	66	87	116	175	240
Electric parameters – mains 50/60 Hz	max. power input INCUCELL® / INCUCELL® V	cca kW	0,24/0,96	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	5
	current nominal voltage INCUCELL® / INCUCELL® V	A	1,1/4,2	1,3/3	1,3/3	2,3	3,9/5,7	3,9/5,6
		V	230	230	230	230	230	230
current nominal voltage INCUCELL® / INCUCELL® V	A	2,2/8,4	2,6/6	2,6/6	4,5/6	7,8/11,3	7,8/11,3	
	V	115	115	115	115	115	115	
Temperature data Working temperature (beginning of the regulation) **)	INCUCELL® / INCUCELL® V	rom 5/10°C above ambient temp. to °C	99,9/100	99,9/100	99,9/100	99,9/100	99,9/100	99,9/100
Temperature accuracy according to DIN 12 880 T2 at working temperature with closed air flap and door	space deviation INCUCELL® / INCUCELL® V	cca ± °C	1,1/0,4	< 0,5/≤ 0,3	< 0,5/≤ 0,3	< 1/≤ 0,3	< 1/≤ 0,8	< 1,5/≤ 1,5
	time variation	cca ± °C	0,4/0,1	≤ 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® / INCUCELL® V	cca min.	70/8	49/41	57/51	79/66	41/38	59/51
Air exchange speed at 37 °C	INCUCELL® / INCUCELL® V	cca/hour	5/45	5/45	5/49	5/24	5/18	5/12
Heat emission at 37 °C	INCUCELL® / INCUCELL® V	cca W	20/70	30/80	45/95	45/95	65/115	85/135

*) 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°C ambient temperature and ±10% voltage swing (if not specified).

Changes in the design and make reserved.

