

INCUCELL/INCUCELL V

with natural forced air convection, 70 °C/99,9 °C



MMM

Medcenter
Einrichtungen GmbH

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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:

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

Inner glass door

Interior:

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

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 Ø 25, 50, 100 mm
- door lock
- left door versions (excluded volume 707 litres)
- separate PT 100-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

...standard line

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 Ø 25, 50, 100 mm
- door lock
- left door versions (excluded volume 707 litres)
- door with window and interior lighting
- HEPA-filter for installation in air inlet (only INCUCELL V)
- timer programmable water protected inner socket (only INCUCELL V)
- communication software for PC (Windows)
- potential-free alarm contact
- independent temperature measuring through PT 100 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

...comfort line

INCUCELL, INCUCELL V with ventilator



Technical data		Model	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 equipment	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. Feets 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 layers 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 / INCUCELL 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, at working temperature with closed air flap and door	space deviation	cca ± °C					
			< 0,5	< 0,5	< 1	< 1	< 1,5
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 consumption	cca kW					
	INCUCELL		0,3	0,3	0,5	0,9	0,9
	INCUCELL V		0,7	0,7	0,7	1,3	1,4
	stand by	cca W	5	5	5	5	5
	current	A					
	INCUCELL		1,4	1,4	2	3,9	3,9
INCUCELL V		3	3	3	5,6	6,1	
nominal voltage	V		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 °C ambient temperature and ±10 % voltage swing (if not specified).

Changes in the design and make reserved.



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