



MMM Group

bmtus.com

INCUCELL / INCUCELL V

Microbiological Incubators

Assuring Your Quality



Research & Laboratory

Testing and growth of bacteria cultures and microorganisms



Biology & Microbiology

Testing and growth of bacteria cultures and microorganisms



QA/QC Food & Beverage

Testing and growth of bacteria cultures and microorganisms
Simulated stability testing conditions, storage, packaging & transport



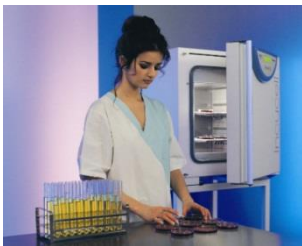
Life Sciences

Animal, Veterinary Labs, Clinics; organisms, insect development



Water Treatment / BOD

Biological Oxygen Demand, study of microorganisms, aerobic bacteria & oxidization of organic matter.



Incucell 55



Incucell 222



Incucell 707 w/ optional glass window

The **Incucell natural convection** is designed for the safe treatment of microbiological cultures. The Incucells' soft natural gravity air convection greatly reduces particle movement.

Incucell V patented forced / mechanical air movement system provides the advantage of precise temperature distribution in the chamber. The **Incucell and Incucell V** can be used in biological and microbiological laboratories, quality control tests for pharmacology, cosmetics, veterinary medicine & food and beverage processing are but a few of the applications.

Natural Convection & Forced Air Convection

Chamber Volumes 22 (.8), 55 (2), 111 (4), 222 (8), 404 (14.3), 707 (25) liters (ft3)

Working temperatures

Incucell 5°C above ambient up to 99.9°C

Incucell V 10°C above ambient up to 99.9°C

Incucell V available with 160 °C decontamination & anti-dry

Inner Glass Door, safety glass

Double Wall Removable inner chamber for sterilization

Chamber AISI 304 seamless stainless steel

Fuzzy Logic ensures accurate temperatures w/out overshooting & flexible and repeatable cycles

Smart Handle with four point locking

Comfort Control Panel with Fuzzy Logic Microprocessor



- 6 programs – 40 segments – for varying loads and parameters
- chip card system for individual program storage
- time range 0 – 16 years with 1 min. intervals
- clear user friendly LCD display
- RS 232 – interface for printer or PC
- delayed heating start & stop function
- programming temperature ramps
- digital safety thermostat
- acoustic and visual alarms
- patented forced air system w/controllable air – flow rate of 10 -100% with Incucell V

Standard Control Panel with Fuzzy Logic Microprocessor



- 3 adjustable programs
- RS232 – interface for printer or PC
- delayed heating start & stop
- acoustic and visual alarm
- time range 99 hours 59 minutes
- digital safety thermostat
- manual control of exhaust port
- manual control of exhaust and air inflow Incucell V
- patented forced air system with controllable air-flow rate of 50 – 100% with Incucell V

Standard Controller Options

- access ports 25, 50,100 mm
- key door lock
- Ethernet communication port
- flexible PT 100 sensor
- stainless steel exterior
- WarmComm 4.0B Software
- AISI 316 stainless steel chamber

Comfort Controller Options

- Access ports 25, 50, 100mm
- automatic and key door lock
- HEPA-filter for INCUCELL V units
- Programmable inner socket 115V
- WarmComm 4.0P & 4.0F software
- BMS monitoring relay alarm contacts
- flexible PT 100 sensor
- anti-dry feature (INCUCELL V)
- 160°C decontamination (excludes 404 & 707)
- stainless steel exterior
- AISI 316 stainless steel chamber

Incucell / Incucell V		Specifications	Model	22	55	111	222	404	707
Interior dimensions	volume	ft3		.77	1.94	3.92	7.84	14.27	24.97
Interior made of AISI 304 stainless steel		liters		22	55	111	222	404	707
	width	inches		7.87	15.75	21.26	21.26	21.26	37
		mm		240	400	540	540	540	940
	depth	inches		12.60	15.35	15.35	21.26	21.26	21.26
		mm		320	390	390	540	540	540
	height	inches		11.61	13.78	20.87	29.92	55.51	55.51
		mm		295	350	530	760	1410	1410
Shelves	number of shelf guides in chamber side walls	max number			4	7	10	19	19
		shelves incl.		2	2	2	2	2	2
Maximum weight of load(*)	Per tray	Max lbs		22	44	44	66	66	110
	Max. inside oven	Max lbs		55	110	110	154	220	286
Door		No.		1	1	1	1	1	2
External dimensions (including door and handle)	width	inches		15.98	24.41	29.92	29.92	29.92	45.67
		mm		406	620	760	760	760	1160
	depth	inches		22.83	25.2	25.2	31.1	31.1	31.1
		mm		580C	640	640	790	790	790
	height	inches		25.20	26.77	33.86	42.91	75.2	75.2
mm			640	680	860	1090	1910	1910	
Shipping dimensions	width	inches		18.31	27.95	33.46	33.46	33.46	49.21
		mm		465	710	850	850	850	1250
	depth	inches		26.18	28.7	28.7	33.86	33.86	35.83
		mm		665	730	730	860	860	860
	height (including pallet)	inches		25.79	35.43	42.52	52	84.65	84.65
	mm		655	900	1080	1320	2150	2150	
Weight	net	lbs		68.34	121.25	165	221	331	474
		kg		31	55	75	100	150	215
	gross	lbs		79.37	134.5	185	258	364	514
		kg		36	61	84	117	165	233
Electric parameters	maximum input	kW		.92	1.3	1.9	1.8	3.7	4.9
	standby mode	W		5	5	5	5	5	5
	current	A		4.0	5.7 11.3	8.3 16.5	8.3 16.5	5.7;5.2;5.2 9.5;9.9 19.1;18.1;18.1	5.7;5.2; 10.4;11.9;13.5;11.4;23.8;27.1;22.8
Unless noted all units are 115V	nominal voltage	V		115	115	115	115	115	115
Working temperature (regular start)	from 5° /10° C over ambient temperature to °C			99.9	99.9	99.9	99.9	99.9	99.9
Temperature deviation at working temperature with closed air vent	Temperature Distribution Incucell Incucell V w/Fan	Appro x. ±% of set temp.		1.1	<0.5	<0.5	<1.0	<1	<1.5
				0.4	<0.3	<0.3	<0.3	<0.8	<1.5
	Temperature Uniformity	±° 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 230V power	Incucell Incucell V w/Fan		Minutes	70	49	57	79	41	59
				8	41	51	66	38	51
Heat Emissions @ 37° C		W		20 / 70	30	45	45	60	85
Air Exchange speed at 37° C	Incucell Incucell V w/Fan	Hour		5 45	5 45	5 49	5 24	5 18	5 12
<p>* Approx. 50% of the tray area can be filled in a way to ensure uniform air flow inside the chamber. ** Standard Incucell has temperature range up to 70C as option up to 99.9C Note: All technical data is related to a room temperature of 22C and +/-10% voltage swing</p>									



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