



Microbiological Incubators



BETATEK INC.
Instrumentation Superbly Supported
L'instrumentation à son meilleur

654 Petrolia Road,
Toronto, ON M3J 2W3
Tel: (416) 736-6166
Toll-Free: (800) 387 3570
Fax: (416) 736-9346



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



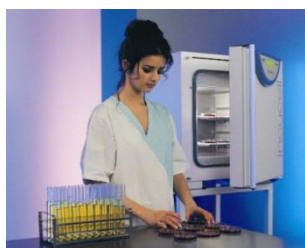
Life Sciences

Animal, Veterinary Labs, Clinics; organisms, insect development



Water Treatment / BOD

Biological Oxygen Demand, study of microorganisms, aerobic bacteria & oxidation 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; 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 0.4	<0.5 <0.3	<0.5 <0.3	<1.0 <0.3	<1 <0.8	<1.5 <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 8	49 41	57 51	79 66	41 38	59 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
* 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									



BMT USA, LLC
 14532 169th Dr. SE. Ste. 142
 Monroe, WA 98272
 Ph. 360-863-2252

www.bmtus.com

sales@bmtus.com