MEDIAJET - Petri Dish Filler

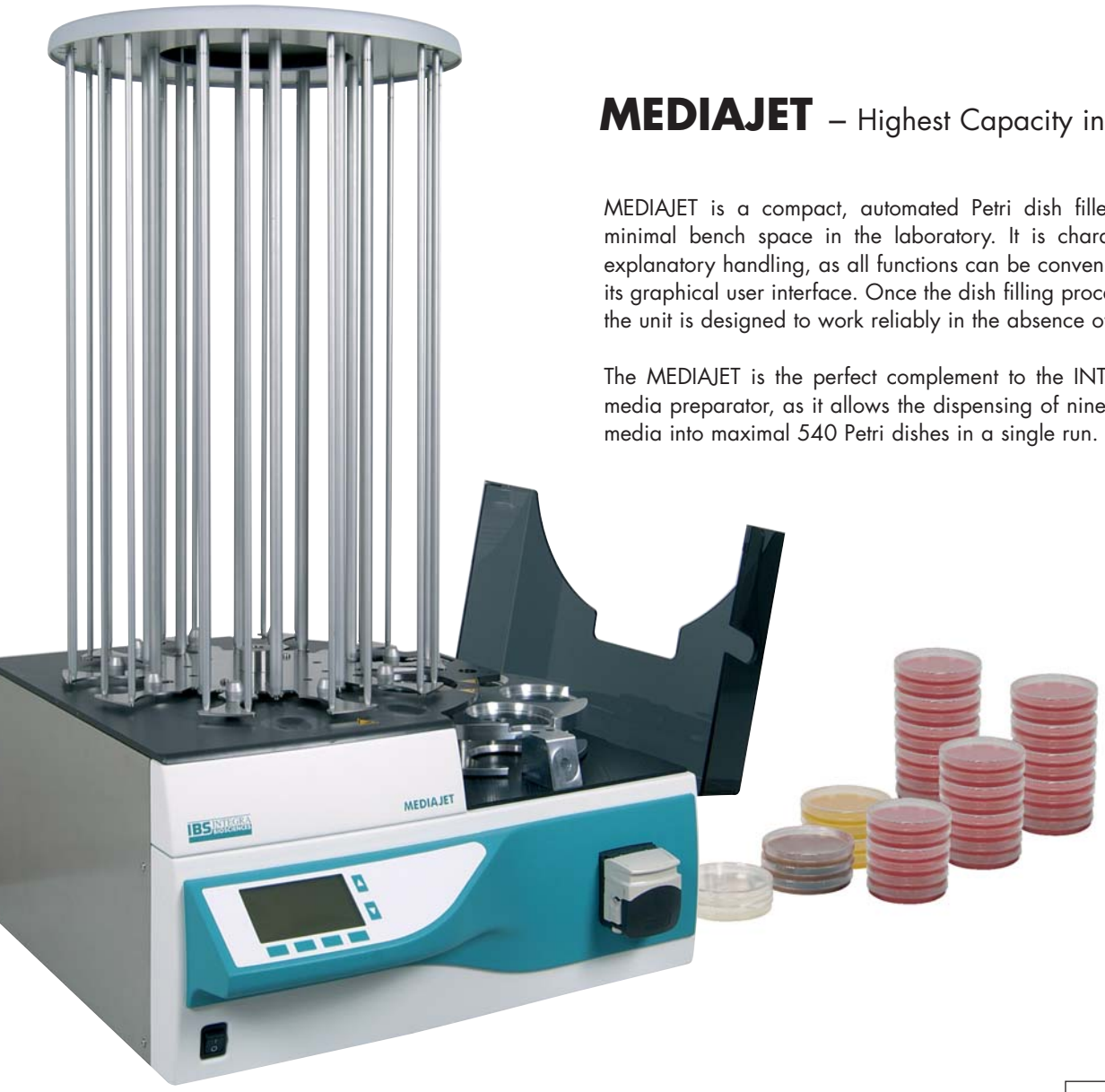
Plug'n'Plate - 540 agar plates at the touch of a button

IBS INTEGRA BIOSCIENCES

MEDIAJET – Highest Capacity in Minimal Space

MEDIAJET is a compact, automated Petri dish filler that requires only minimal bench space in the laboratory. It is characterized by its self-explanatory handling, as all functions can be conveniently controlled over its graphical user interface. Once the dish filling process has been started, the unit is designed to work reliably in the absence of the operator.

The MEDIAJET is the perfect complement to the INTEGRA MEDIACLAVE media preparator, as it allows the dispensing of nine liters sterilized agar media into maximal 540 Petri dishes in a single run.

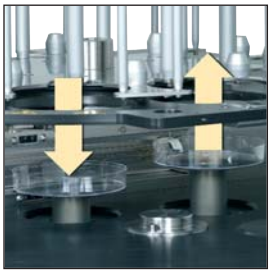


Easy Handling

All functions of the MEDIAJET can be conveniently controlled over the full size graphical user interface. The operation of the system is completely self-explanatory, as all functions are explained in plaintext and the use of the manual is virtually unnecessary.

Reliable Walk-Away Automation

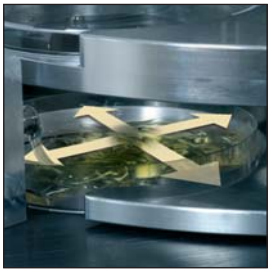
Including the novel Feed-In / Stack-Out Technology, MEDIAJET is designed for a reliable and completely user independent operation. Typical variations in the diameter or shape and rims present on the lid or bottom of the dishes are easily handled by the unit, as they are actively guided throughout the entire filling process.



Eliminating Sources of Contamination

For a consistent agar plate quality, maintaining a clean environment during the dispensing process is essential. The surface of the filling chamber is manufactured of a single piece of resistant PE which allows a convenient and efficient cleaning.

The MEDIAJET is equipped with a UV lamp extending over the full length of the rotor where the dishes are opened during the dispensing process. The lamp emits powerful 2.1 W UV-C radiation and therefore develops optimal bactericidal efficiency in the area most vulnerable to contamination.



Media Cost Reduction

The MEDIAJET has a built-in "Agar Spread Function" which ensures a homogenous distribution and an even surface of the agar. It helps to minimize the agar level in the Petri dish and thereby allows a significant reduction in media costs.

Process Documentation and Validation

MEDIAJET provides all features necessary to support the individual needs in quality control. All process relevant information can be documented using a standard label printer or by directly transferring the information to a personal computer. When working in connection with MEDIACLAVE this data can also be printed on its embedded label printer.

By labelling the agar plates with the optionally available inkjet printer module, a consistent product traceability is guaranteed. Ask for support on your IQ and OQ certification efforts.

Technical Data

Dimensions	
Basic Device (L x W x H)	655 mm x 634 mm x 330 mm
Height with 360 Carrousel	1070 mm
Height with 540 Carrousel	1405 mm

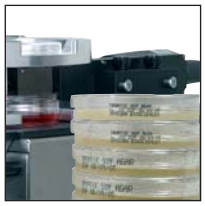
Net weight	
Basic Device	47.0 kg
360 Carrousel	6.8 kg
540 Carrousel	8.3 kg

Petri dish	
Capacity	circa 360/540 Ø90 dishes
Dish Height	12 – 25 mm

Pump	
Dosing Range	1 – 99.9 ml
Dosing Reproducibility	circa 1% (at 15 ml)
Maximal Dosing Rate	500 ml/min
Filling Rate	circa 900 dishes/hour (at 15ml)
Filling Delay	0 – 9.9 sec
UV-Lamp	11W (2.1 W UV-C, 253.7 nm)
Interface	2 x RS232, Alarm

Power supply	
Consumption	200 W
Input Voltage	100 – 240 V 50/60 Hz
Fuses	T 2A (2x)

Ordering information

	Description	Unit	Part No.
Base units	Requires purchase of a rotor and carrousel listed below		
	MEDIAJET dish filler, base unit only	1	103 005
	MEDIAJET dish filler, with cooling option, base unit only	1	103 006
Accessories			
	Carrousel for Ø 90 mm Petri dishes, capacity of 360	1	103 020
	Carrousel for Ø 90 mm Petri dishes, capacity of 540	1	103 021
	Rotor for Ø 90 mm Petri dishes	1	103 271
	Tubing set for Ø 90 mm Petri dishes, including 1.5 m silicone tubing and filling nozzle	1	103 030
	Silicone tubing 6 x 9 mm, length 25 m	1	171 036
	Filling nozzle for Ø 90 mm Petri dishes	1	103 032
	Communication interface cable MEDIAJET to MEDIACLAVE	1	103 046
	**Dish Labeling** The optional inkjet printer permits to apply a wide variety of information onto the Petri dish, like alphanumeric text, expiry/production date or barcodes. The imprint does not infringe with any plate reader or colony counter, as it is located on the side of the Petri dish base.		
	Connecting kit for IMAJE 9020 Inkjet printer including the fixing device and including the fixing device and the interface cable	1	103 080
	Table stand for IMAJE 9020 Inkjet printer	1	103 085
	**Independent Pump Functions** The MEDIAJET pump can be independently used for other applications, like the manual filling of tubes or bottles. Dispensing can be conveniently triggered with the optionally available footswitch.		
	Footswitch with connecting cable	1	143 200
	Dispensing tube 6 mm ID, 10 cm length, stainless steel	1	171 046
	Aspiration tube 6 mm ID, 10 cm length, stainless steel	1	171 056
	Aspiration tube 6 mm ID, 35 cm length, stainless steel	1	171 066
	**Test Tube Filler** Allows to convert the MEDIAJET Petri dish pourer into a test tube filler in just a few minutes.		
	TUBEFILLER Option for MEDIAJET. Including filling arm, support plate compatible with racks of Ø 13, 16, 20, 25 or 30 mm test tubes and silicone tubing set with dispensing and aspiration tube	1	103 010
	**Control of a Second Pump - Blood Agar Preparation** MEDIAJET allows the control of a second, stand-alone pump unit. This accessory is specifically useful to continuously mix additives like blood into the agar immediately before pouring the plates, which minimizes the thermal denaturation of the additive.		
	DOSE IT *P910* programmable peristaltic pump	1	171 000
	Tubing set for the preparation of blood agar (suitable to add 3 to 10% blood in connection with the INTEGRA peristaltic pump)	1	103 040
	Interface cable for combination of DOSE IT *P910* peristaltic pump with MEDIAJET	1	103 047

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