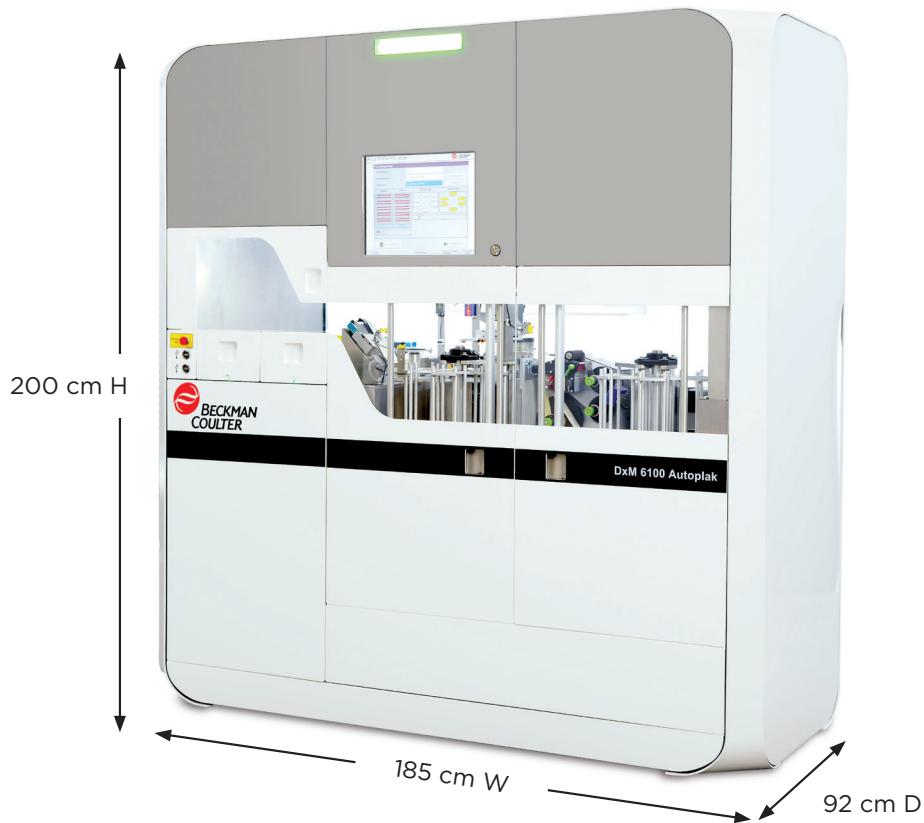


DxM Autoplak Systems

TECHNICAL SPECIFICATIONS AND REQUIREMENTS



Physical

Dimensions	200 cm H x 185 cm W x 92 cm D
Weight	~500 kg

Power requirements

Line voltage	220–240V Single Phase AC, 1500 W
Line frequency	50/60 Hz
Line current	10A for 200–240 VAC operation
IP CEI 60529 degree of protection (For indoor use only)	IP 20
Noise level	LpA \leq 65 dB (A)
Average power	600 VA
Peak power	1100 VA
Power plug	Type E+F (CEE 7/7)

DxM Autoplak Systems

TECHNICAL SPECIFICATIONS AND REQUIREMENTS

Required laboratory environmental conditions

Temperature (operating)	Ambient: 15° to 30°C Operating: 10° to 26°C
Temperature (storage)	-10° to 40°C
Relative humidity	40% to 80% (without condensation)

Light source

Lamp specification	19.2 W flexible cool white light LED strips (550–6500 K)
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Performance

Capacity of plates	480 plates
Capacity of sample tubes	120 sample tubes
Processing capacity (average per hour)	125 plates/hour
Culture media	A maximum of 11 different culture media

General features

Degree of pollution	II
Maximum operating altitude	1500 m
Installation category	II

Operator interface

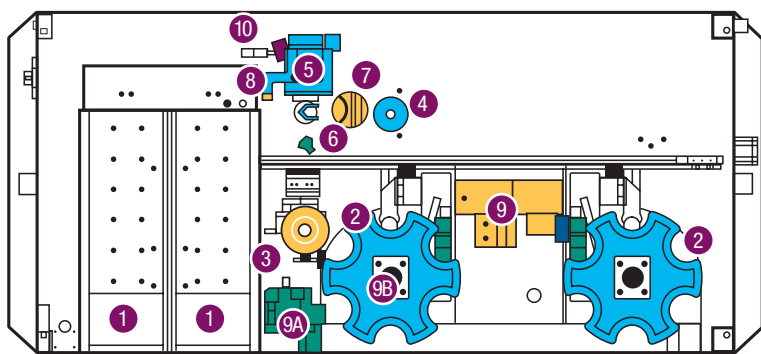
Operator interface	Front panel controls and pop-up keyboard
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Barcode

Default barcode	Code 128
Standard bar codes accepted on sample tubes for insertion of samples	EAN/UPC, Code 39, Code 32, Code 128, GS1-1 28, ISBT 128, Interleaved and Standard 2 of 5, Codabar, ABC Codabar, GS1, Databar (Omnidirectional, limited, Expanded), Code 93, Code 11 and MSI The barcode printed on plates is CODEBAR.

DxM Autoplak Systems

TECHNICAL SPECIFICATIONS AND REQUIREMENTS



DxM 6000 Autoplak Complete components:





1	2 independent drawer doors	To load and unload sample tubes and the enrichment media tubes on racks
2	2 carousels of 6 silos (40 plates per silo)	To load and unload the solid media. Accessible through side-opening of two access doors
3	Inoculation table	Where plates are streaked and slides prepared
4	Incinerator	Infrared heater to sterilize the inoculation loops
5	Agitator/Agitator grippers	To hold and agitate the sample tube to homogenize it
6 7	Drop projector LED and camera	To verify the inoculation loop is filled with sample
8	Liquid level sensor	To verify the level is sufficient for the inoculation loop to pick up the sample correctly
9	1 printer	To print label on plate
10	Barcode reader	To read the barcodes of the selected sample tube for traceability
11	HEPA filter	To provide a safe-working environment
12	Touch screen monitor	With included software
13	UPS	To provide emergency power

DxM Autoplak Systems

TECHNICAL SPECIFICATIONS AND REQUIREMENTS

DxM 6100 Autoplak Advanced components:

The DxM 6100 Autoplak Advanced System includes the same components as DxM AUTOPLAK COMPLETE system as well as these additional features:

	Gram slide preparation module	To extend Gram slides with barcode printing on the slides
	Enrichment broth inoculation module	To inoculate enrichment broth with barcode printing on the tube
	Enrichment broth printer	To print barcodes of the enrichment broth tubes
	Gram slide printer	To print barcodes on the Gram slides

DxM Autoplak Systems optional modules (sold separately):

	Bi-plate module	To automatically streak bi-plates
	Disk diffusion test dispenser module	To automatically apply antibiotic discs. The instrument labels plates and places them in the output column

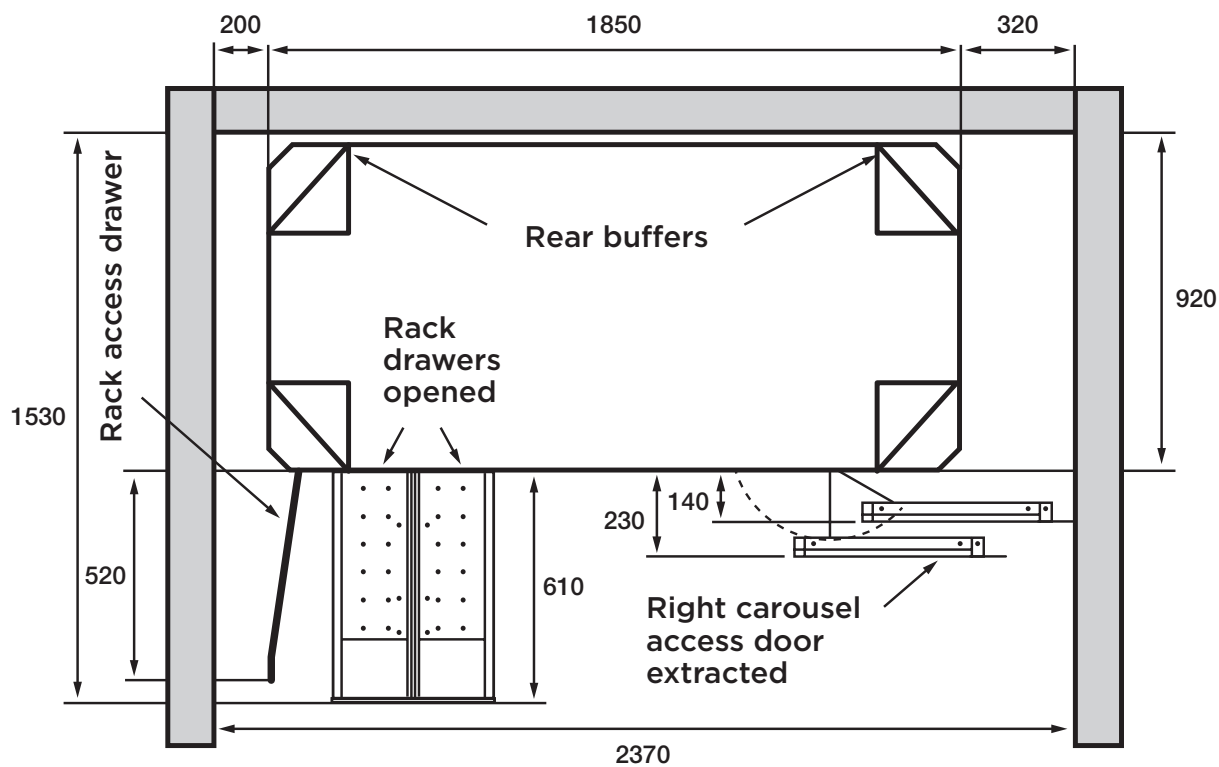
DxM Autoplak Systems

TECHNICAL SPECIFICATIONS AND REQUIREMENTS

Standard items included with the instrument (Start-up kit)

Description	Quantity
Racks	12
1 μ l Loop	4
10 μ l Loop	4
3 turn Loop (non-calibrated 30 μ l)	10
4 turn Loop (non-calibrated 40 μ l)	10
Loop positioning tool	1
Roll of labels (installed)	1
Ribbon roll (installed)	1

Instrument component dimensions



All dimensions are measured in mm.

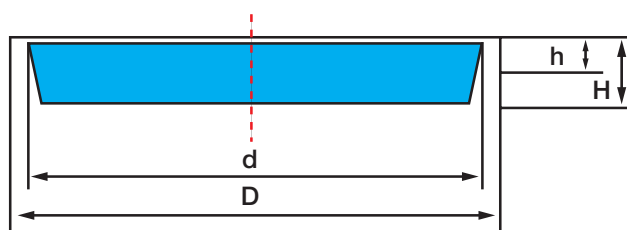
DxM Autoplak Systems

TECHNICAL SPECIFICATIONS AND REQUIREMENTS

DxM Autoplak media plate and sample container

Media plate specifications

Base diameter	$87 \text{ mm} < D < 88 \text{ mm}$
Cover diameter	$(d + 2 \text{ mm}) < D < (d + 5.5 \text{ mm})$, subject to the following condition: $(91 \leq D \leq 92)$
Plate height	$14 \text{ mm} < H < 15.2 \text{ mm}$
Cover height	$6 \text{ mm} < H < 8 \text{ mm}$



Sample container specifications

Material	Plastic
Types	<ul style="list-style-type: none">> Tubes with screw caps> Tubes with solid pressure cap> Tubes with hollow pressure cap> Vacuum tubes
Lower extremity shapes	<ul style="list-style-type: none">> Cylindrical tip with a diameter of $< 13 \text{ mm}$> Hemispherical tip> Conical tip with a diameter $> 15 \text{ mm}$ and the length of the cone is $< 12 \text{ mm}$
Tube dimensions	<ul style="list-style-type: none">> Height (including cap) must be between 82 mm and 125 mm> Diameter must be between 12.50 mm and 15.75 mm with the following restrictions:<ul style="list-style-type: none">- If the height is $> 100 \text{ mm}$, the diameter must be $> 14.00 \text{ mm}$- If the height is $> 110 \text{ mm}$, the diameter must be $> 15.50 \text{ mm}$