

ELECTROLAB

Your Quality, Our Assurance

DermaX

(Auto)



DRY Block Heating

Advantages

Bath/Jacketless Heating

Quicker heating of medium

Common heating block for all cell sizes

Replenishment unit is also maintained at testing temperature

Real time Contactless temperature monitoring

Benefits

Saves water and electricity

~44% faster heating compared to jacketed heating technology. saves time

User friendly

Minimizes errors

Ensures compliance



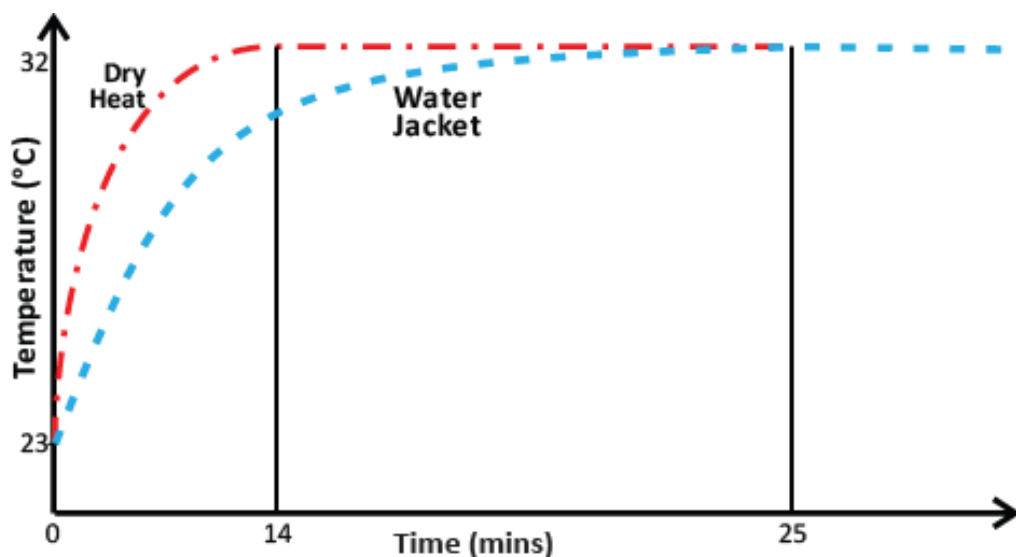
Quick Heating



Individual Cell Temperature



TemSen technology



Walkaway Automation

Features

Automatic synchronous sampling from the 7 cells and replenishment via the sampling arm

Sampling arm self-rinsed between time intervals

Sample collection in regular HPLC vials

Automatic individual cell temperature and rpm monitoring

Automatic generation of audio-visual signals

Benefits

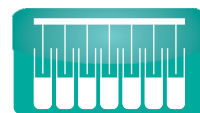
Increases accuracy and precision, Saves time

Possesses near zero dead volume, negligible carryover

Reduces manual intervention, Increases throughput

Increases compliance

Indicates instrument status



Synchronous Sampling



RPM monitoring



Technology



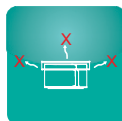
Individual Cell Temperature

Robust Design

Features	Benefits
Cells available in variable sizes	Provides flexibility
Variable volumes possible due to swappable stirrers	Provides flexibility
Low evaporation cap attached to the cell	Prevents evaporation
All components made from inert material	Avoids contamination and compatibility issues
Sensors for identification of sample tray type and tray alignment	Prevents error, brings convenience
Specially designed towards-gravity sampling syringes	Possesses near zero dead volume, high precision
Covered sample collector tray	Protects samples from dust and contamination, prevents evaporation



Cell Types



Low Evaporation Cap



In Vitro Release and Permeation Testing

User friendly Interface

Features	Benefits
Interactive touch screen	Aids functioning, increases convenience
Increased protocol storage space, number of users and access levels	Increases compliance, eases setup
Biometric login	Increases compliance
Electronic logbook and audit trail	Provides 21 CFR Part 11 compliance, eases regulatory burden

TemSen

Contactless temperature monitoring using TemSen technology



Pharmacopoeial Compliance



Integrity Operating System



Print Interface



Audit Trail



Report



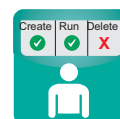
Fingerprint Authentication



Security



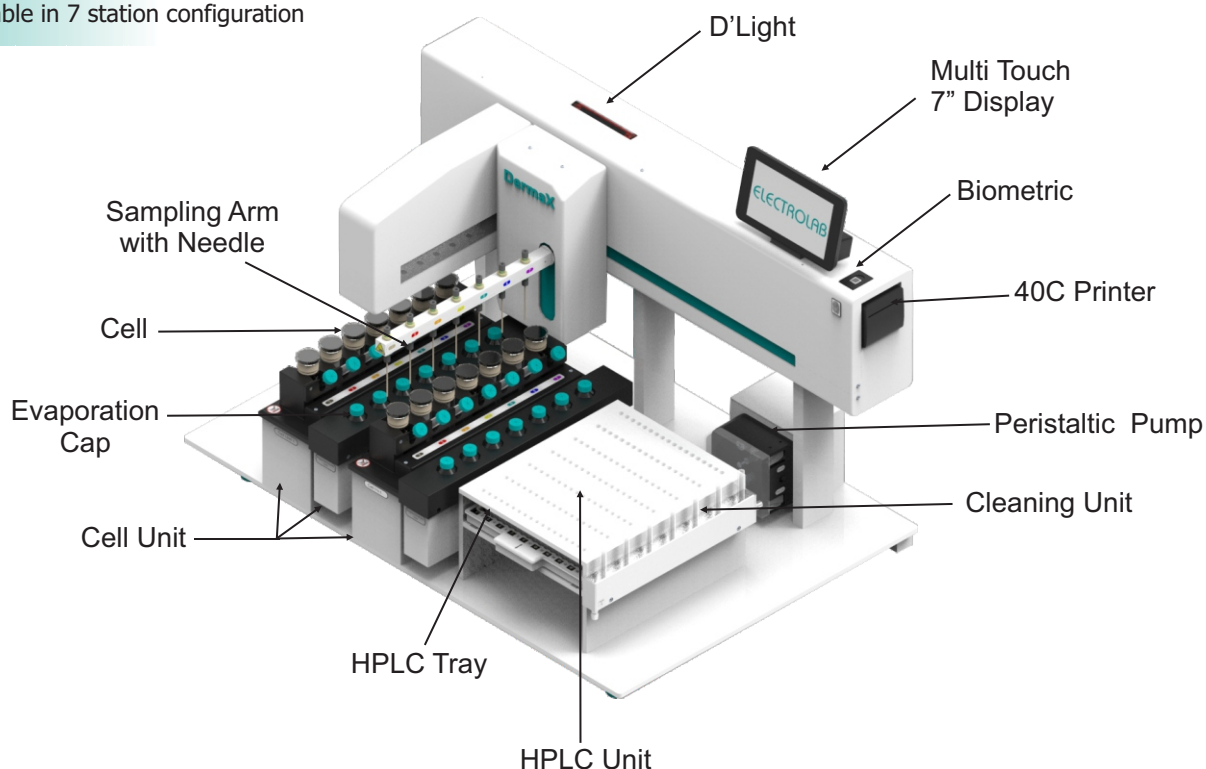
250 users



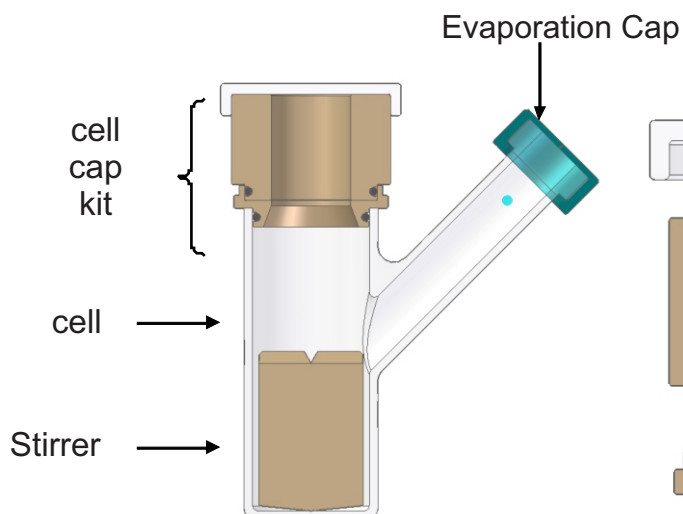
10 User Defined Roles

DermaX Auto 14 : Components and Parts

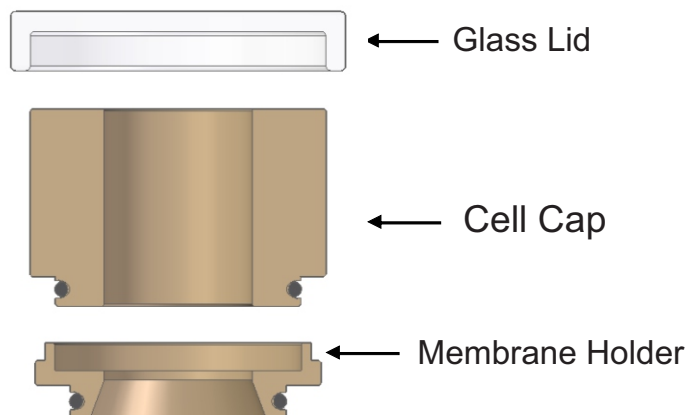
*Also available in 7 station configuration



Cell Assembly



Cell Cap Kit Components



Accessories

	Small				Medium				Large			
Cell type	 Part No: 1001A00085				 Part No: 1001A00084				 Part No: 1001A00083			
Doner kit	Part No: 1001A00092		Part No: 1001A00093		Part No: 1001A00096		Part No: 1001A00097		Part No: 1001A000102		Part No: 1001A000103	
Membrane holder	 9 mm		 11.3 mm		 11.3 mm		 15 mm		 15 mm		 20 mm	
Cell cap	 0.25 mL	 1.25 mL	 0.4 mL	 2 mL	 0.4 mL	 2 mL	 0.7 mL	 3.5 mL	 0.7 mL	 3.5 mL	 1.25 mL	 6.3 mL
Dosage cover												
Stirrer type	 13 mm tall Part No: 1001A00090		 30 mm tall Part No: 1001A00091		 13 mm tall Part No: 1001A00088		 30 mm tall Part No: 1001A00089		 13 mm tall Part No: 1001A00086		 30 mm tall Part No: 1001A00087	
Cell volume	10 mL		8 mL		20 mL		15 mL		31 mL			

Parameter	IVRT (Release)	IVPT (Permeation)
Membrane	Synthetic	Human skin
Dose type	Occluded	Unoccluded
Dose amount	Infinite	Finite
Outcome	Release Rate(Slope)	Flux Profile, J_{max} etc
Medium type	Hydroalcoholic	Physiological
Concentration range	μg to mg	pg to ng
Degree of variability	Relatively consistent	Donor variability

Specifications

Model	DermaX-14
No. of stations	14
Temperature	20 - 45°C
Heater	200W
Control accuracy	$\pm 1.0^\circ\text{C}$
RPM	200 - 1000
RPM accuracy	± 2 RPM
Cell type	Small, Medium and Large (Clear and amber)
Cell volume (depending on cell and stirrer type)	8 - 31mL
Dosage volume	0.25 - 6.3 mL
Infinity run	Yes
Media changeover	Yes
No.of sampling intervals	18 (9/cell block)
Storage Tray	7 *18 rows (regular HPLC vials)
Display	multi touch capacitive 7" screen
Protocol Storage	1000
Test Report Storage	10000
Security	Multilevel with password for 250 users with 10 user programmable role
Report Printout	Ethernet, RS – 232
Illumination	D'Light
Biometric finger print	Optional
Thermal printer	Optional
Dimensions (L X W X H)	880 X 590 X 650 (mm)
Weight	60kg (approx)

ELECTROLAB

Our Products

- Complete range of Dissolution Testers • Dissolution Media Preparator • Friability Testers • Tablet Hardness Testers
- Electromagnetic Sieve Shakers • Tap Density Tester • Bulk Density Tester • Powder Flow Tester • Leak Testers • Peristaltic Pumps

The information contained in this document is believed to be correct but ELECTROLAB accepts no liability for any errors and reserves the right to alter specifications without notice May,2021

ELECTROLAB (India) PVT. LTD. (CIN NO : U33110MH2002PTC136735)

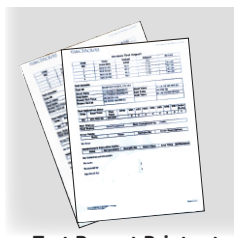
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Factory: EL 23/24, T. T. C., Electronic Zone, M. I. D. C, Mahape, Navi Mumbai - 400 710, India.

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Test Report Printout

integrOS™			
	Lite	Standard	Pro
Security	✓	✓	✓
Electronic Instrument Log Book		✓	✓
Data Transfer	Print	Print + Electronic (XML)	Print + Electronic (XML)
Instrument → kloudbase/ LIMS • User Details • Method Information			✓ ✓
Instrument → kloudbase/ LIMS • Reports • Audit Trail		✓	✓ ✓

Specifications

Model	DermaX - Basic	DermaX - 07	DermaX - 14
No. of stations	7	7	14
Temperature	20 - 45°C	20 - 45°C	20 - 45°C
Heater	200W	200W	200W
Control accuracy	± 1.0°C	± 1.0°C	± 1.0°C
RPM	200 - 1000	200 - 1000	200 - 1000
RPM accuracy	± 2 RPM	± 2 RPM	± 2 RPM
Cell type	Small, Medium and Large (Clear and amber)	Small, Medium and Large (Clear and amber)	Small, Medium and Large (Clear and amber)
Cell volume (depending on cell and stirrer type)	8 - 31 mL	8 - 31 mL	8 - 31 mL
Dosage volume	0.25 - 6.3 mL	0.25 - 6.3 mL	0.25 - 6.3 mL
Infinity run	-	-	-
Media changeover	-	-	-
No. of sampling intervals	-	18	18 (9/cell block)
Storage Tray	-	18 * 7 rows (regular HPLC vials)	18 * 7 rows (regular HPLC vials)
Display	multi touch capacitive 7" screen	multi touch capacitive 7" screen	multi touch capacitive 7" screen
Protocol Storage	1000	1000	1000
Test Report Storage	10000	10000	10000
Security	Multilevel with password for 250 users with 10 user programmable role	Multilevel with password for 250 users with 10 user programmable role	Multilevel with password for 250 users with 10 user programmable role
Report Printout	Ethernet, RS - 232	Ethernet, RS - 232	Ethernet, RS - 232
Illumination	D'Light	D'Light	D'Light
Biometric finger print	Optional	Optional	Optional
Thermal printer	Optional	Optional	Optional
Dimensions (L X W X H)	640 X 540 X 660 (mm)	880 X 590 X 650 (mm)	880 X 590 X 650 (mm)
Weight	11 kg	55 kg (approx)	60 kg (approx)

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- Complete range of Dissolution Testers • Dissolution Media Preparator • Friability Testers • Tablet Hardness Testers
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