

ELECTROLAB

Dissolution Testers



8500+
Dissolution Systems Installed Worldwide



14

Station

Benefits

- Efficient tool for biowaiver, ANDA and SUPAC-MR where n = 12
- Consistent results with 1 dissolution water bath rather than variations possible with 2 separate dissolution water baths
- Incubation of replenishment media under same conditions to the dissolution media
- Online upgradability to UV spectrophotometer



Multi-level Security



Infinity Test

60+ %

Savings

Compared to two 8 Station Dissolution Systems, one 14 Station Dissolution System saves:

- 67% bench space
- 64% electricity
- 63% water



Motorized Lift Mechanism

- Hands-free quiet operation
- Ensures accurate height adjustment as per method selected



Auto DropSync™ (Optional)

- Simultaneous dropping of dosage in non-rotating media
- User defined test start (immediate or delayed) when media temperature is attained
- Extra wide aperture to accommodate dosage and sinkers up to 24 mm



Snap-Fit™ Shaft

- Unibody construction (crevice-free) of Snap-Fit™ shaft provides wobble free operation and accurate height adjustment
- Quick changeover between methods



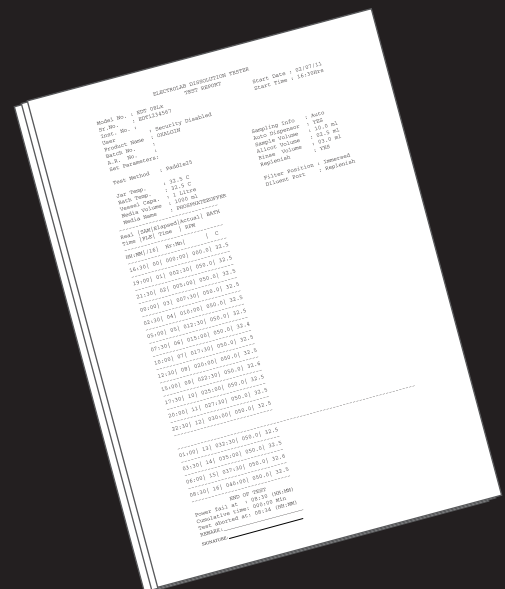
Multi-stage Filtration

- 2 or 3 stage filtration ranging from 10-15 µ, 0.45 µ to 0.22 µ
- Close proximity of filter manifold reduces variability caused by automation



Isolated Temperature Controller

- Isolated temperature controller for vibration-free and precise temperature control



Dissolution Test Reports

QbD

Quality by Design



LAN



Report



- International regulatory compliance (USP, Ph. Eur, JP, IP)
- Easy access to all physical parameters for cleaning and mechanical qualification
- Designed to minimize routine validation
- Coating-free composite top plate resists corrosion and abuse
- All sample contact parts are made of inert materials
- Versatility allows adaptation to USP 1, 2, 5, 6, intrinsic, and special height (45 mm) apparatus
- Vessels capacity ranging from 100 ml to 4000 ml in clear and amber color
- Sampling manifold dives the individual cannulas and vessel temperature probes to the appropriate sampling zone based on the method
- Wake up and sleep mode for the temperature controller saves time and conserves energy
- High performance ZDV (Zero-Dead-Volume) syringe pump for precise and accurate sampling
- 2 axis movement of sample collector arm enables piercing of septa for HPLC vials
- Enclosed sample collector prevents contamination and excess evaporation of samples



Rinsing

- Smart Rinsing : Eliminates waste volume and avoid carryover
- Loop-Back™: Circulate the initial volume through the transfer tubings back to vessel to eliminate waste volume
- Split-Rinse™: Programmable rinse volume purged to waste in multiple cycles to avoid carryover

18%

reduction in variability

Dilution with Stirring (Optional)

- Simultaneous purging and mixing of the aliquot and diluent for homogeneous sample preparation (**Patent pending**)
- Automated dilution of media is possible with using different media or mobile phase, if replenishment media is not to be used as diluent

4

types

Sample Collector Tray *

HPLC Vials

- 1.5 ml (24 x 12)
- 1.5 ml (12 x 8) with dilution option

Glass Tubes

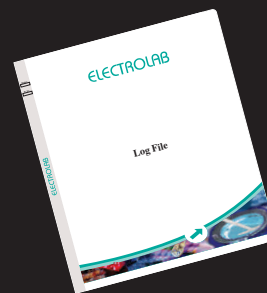
- 25 ml (16 x 12)
- 10ml (24 x 12)

* Customized trays available

Standard accessories :

- Laser marked and certified precision glass vessels, paddles and baskets
- Drawer organizer with cover for paddles and baskets

* Instruments accessories are laser marked and certified



Log File
Includes IQ/OQ, Maintenance Log etc.

Record the dissolution process with **iDisso™**

Access dissolution test information with **kloudbase™**

ANY Where
Time
Device

Specifications

Model	EDT-08Lx	EDT-14Lx
No. of station	n = 8	n = 14
Speed range	20 to 250 RPM	
Speed accuracy	± 0.5 RPM	
Temperature range	20°C to 40°C	
Temperature accuracy (at 37°C)	± 0.1°C	
Display	40 x 4 character LCD	
No. of protocol	20	
No. of sample	24	
Sample interval	1 min to 999 hrs, 59 min	
No. of syringes	Standard : 6, Optional : 8	Standard : 12, Optional : 14
Interface port	Ethernet, RS 232, RS 485	
Stirrer drive	High performance BLDC (maintenance-free)	
Vessel capacity	100 ml, 250 ml, 1 ltr, 2 ltr, 4 ltr	100 ml, 250 ml, 1 ltr, 2 ltr
Water bath		
Bath capacity	25	54
Temperature controller	Heater : 1 kW, SS 316 with thermal protection Sensor : RTD, Circulation : Magnetically coupled pump	
Electrical power	220/ 230 VAC, 50/60 Hz, 1.3 kW/6 Amp 110 VAC, 50/60 Hz, 1.3 kW/6 Amp	
Dimensions (W x H x D) :		
Basic	124 cm x 65 cm x 71 cm	167 cm x 65 cm x 71 cm
Offline Automation System	170 cm x 65 cm x 71 cm	230 cm x 65 cm x 71 cm
Weight :		
Basic	84 kg	126 kg
Offline Automation System	141 kg	212 kg

Our Products

- Complete range of Dissolution Testers • Dissolution Media Preparator • Disintegration Testers • Friability Testers
- Tablet Hardness Testers • Tap Density Testers • Bulk Density Tester • Electromagnetic Sieve Shaker • Powder Flow Tester



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
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ELECTROLAB
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&
Service
Worldwide