

ELECTROLAB

Dissolution Testers



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 upgradeability 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



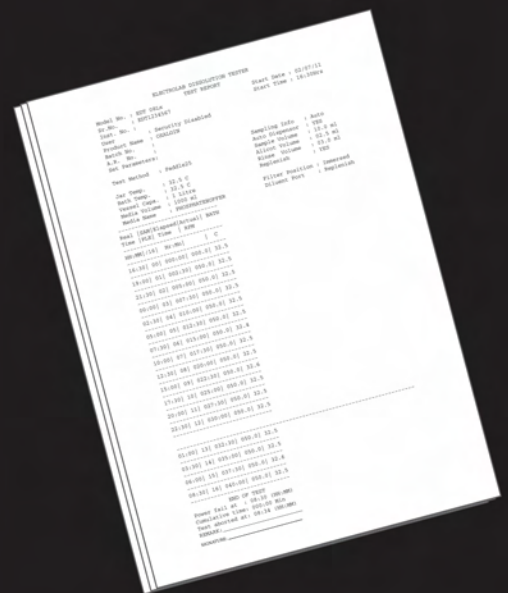
Multi-stage Filtration

- 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

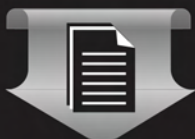
- Isolated temperature controller for vibration-free and precise temperature control



Dissolution Test Reports



LAN



Report



QbD

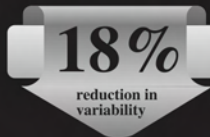
Quality by Design

- 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™ : Eliminates waste volume by returning programmable rinse media back to the vessel
- Split-Rinse™ : Programmable rinse volume purged to waste in multiple cycles to avoid carryover

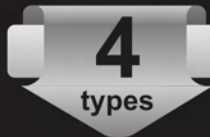


18%

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)

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

Record the dissolution process with **iDisso™**

Access dissolution test information with **kloudbase™**

ANY Where
Time
Device



Log File
Includes IQ/OQ, Maintenance Log etc.

Specifications

Model	EDT-08Lx	EDT-14Lx
No. of station	n = 8	n = 14
Speed range (RPM)	20 to 250 (variable)	
Speed accuracy (RPM)	± 0.5	
Temperature range (°C)	20 to 40	
Temperature accuracy (at 37°C)	±0.1	
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	One piece moulded clear or amber	
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 (cm)	124 x 65 x 71	167 x 65 x 71
Offline Automation System (cm)	170 x 65 x 71	230 x 65 x 71
Weight :		
Basic (kg)	84	126
Offline Automation System (kg)	141	212

Our Products

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

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