

ELECTROLAB

Your Quality, Our Assurance

Dissolution Tester



14 Station Dissolution Tester **INSPIRE-8**





Multi-Level Security



Infinity Test



14
Station

Benefits

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

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
- ⊙ Automatic stirrer height positioning for USP 1, 2, 5, 6 and intrinsic test methods



AutoDropSync™ (Optional)

- ⊙ Simultaneous dropping of dosage in non-rotating media
- ⊙ User defined test start (immediate or delayed) immediately after 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
- ⊙ Facilitates quick changeover between methods



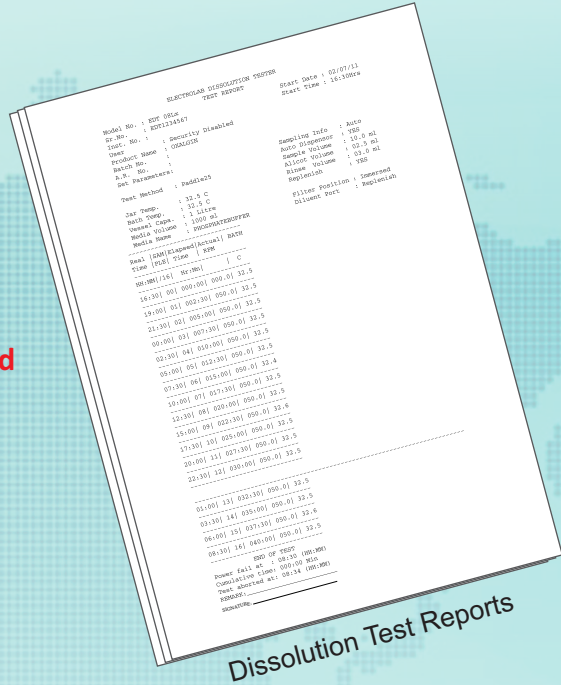
Multi-stage Filtration

- ⊙ Inbuilt filters facilitates 2 or 3 stage filtration ranging from 10 μ - 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



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
- Transparent and amber colored vessels-capacity ranging from 100 ml to 4 L
- 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

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

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 aliquot is possible using different media or mobile phase, if replenishment media is not to be used as diluent

4 types

Sample Collector Tray

Sample Collector Tray (ESC-12Dx)	
HPLC vials	Glass tubes
• 1.5 ml (24 x 12)	• 20 ml (16 x 12)
Combination tray (with dilution option)	
HPLC and Glass tubes (2 Types)	
• HPLC vials 1.5 ml (8 x 12) + Glass tubes 20 ml (8 x 12)	

D'light™ technology for audio and visual indication of instrument status from anywhere in the laboratory

- Power on
- Needle diving up / down
- Communication with dissolution tester

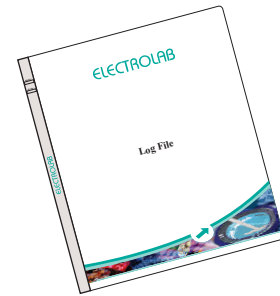
- Error due to :**
- Absence of sample collector tray
 - Absence of waste tray
 - Sample collector hood ajar

- Movement of arm to :**
- Sample position
 - Waste tray / home position

Standard accessories :

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

* Accessories are laser marked and certified



Log File
Includes IQ/OQ, Maintenance Log etc.

Record the dissolution process with with iDisso™

Access dissolution test information with kloudbase™

ANY Where
Time
Device

Specifications

Model	EDT-14Lx
No. of stationS	n = 14
Speed range	20 RPM to 300 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 protocols	20
No. of samples	24
Sample interval	1 min to 999 hrs, 59 min
No. of syringes	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 L, 2 L
Water bath	One piece moulded clear or amber
Bath capacity	28 L
Temperature controller	Heater : 1KW, SS 316 with thermal protection Sensor : RTD
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	167 cm x 65 cm x 71 cm
Offline Automation System	230 cm x 65 cm x 71 cm
Weight :	
Basic	126 kg
Offline Automation System	212 kg

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



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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