



UDT-818

USP Apparatus 1/2/5/6 Universal Dissolution Tester

- Available in 8, 12, 15, and 18-vessel systems
- Perform comparative dissolution studies, generic vs. innovator, in the same environment
- Built-in heater-circulator for uniform temperature control
- Manual or automated sampling
- Dual filtration supported: sample probe pre filter followed by in-line syringe filtration
- Tablet dropping tray simultaneously dispenses dosage into each vessel
- Storage compartments for paddles and baskets
- Backlit LED lighting for easy visual observation of the dissolution process
- Stores up to 100 methods
- Three security levels and full audit trail
- 21 CFR Part 11 tools, USP, ASTM, EP, JP, CP compliant



UDT-818-8



UDT-818-12



UDT-818-15



UDT-818-18

Extended Functions

- Compatible with 1 L, 2 L, 4 L, and small volume vessels
- Expandable to 2 or 3 speed zones
- Compatible with basket, paddle, paddle over disk, and rotating cylinder
- USP apparatus types
- Includes infinity test programming
- Compatible with the Logan PERMETRO™ system for bioavailability and pilot BE studies
- Compatible with automated sampling system
- The autosampler uses a precision syringe pump with dedicated syringes per vessel position, to ensure no cross contamination
- Use up to two wash media sources for automated tubing cleaning post-test run
- Support on-line UV
- Optional individual automated digital temperature probes in each vessel for better temperature monitoring
- Dual vessel cover design eliminates media evaporation
- Optional remote monitoring system for mobile devices



Automation Configurations

UDT-818	UDT-818-8	UDT-818-12	UDT-818-15	UDT-818-18
Auto Controller	√	√	√	√
Sample Collector	√	√	√	√
Syringe Pump Positions	8x1	6x2	8x2	6x3

Automated System Include

UDT-818-8/12/15/18	Auto Sampling System
Speed: 25-250 rpm \pm 1 rpm Resolution: 0.1 rpm 3/8 inch shafts: 8/12/15/18 ea. Paddle blades: 8/12/15/18 ea. 40 mesh baskets: 8/12/15/18 ea. Built-in heater-circulator Temperature range: ambient to 45 °C \pm 0.5 °C or better Waterbath: One piece molded PETG waterbath Power: 110 V AC, 50/60 Hz 220 V AC, 50/60 Hz	Auto controller and sample collector Precision syringe pump Sample collector: 1-10 mL HPLC vial rack Test tube rack Collection: up to 20 time points per sample rack Volumetric accuracy: 0.1 mL Users: 100 Storage up to 100 methods Multi-language support Built-in printer Color touch screen Power: 110 V AC, 50/60 Hz 220 V AC, 50/60 Hz

