



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



USP Apparatus 1 –
Rotating Basket



USP Apparatus 2 –
Paddle



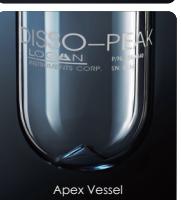
ChP 250 mL Method



USP Apparatus 5 –
Paddle Over Disk



USP Apparatus 6 –
Rotating Cylinder



Apex Vessel



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



Off-line Sampling Collection System



UV On-line Analysis System

