

# CD14 COMPARATIVE DISSOLUTION

The Teledyne Hanson 14-vessel CD14 dissolution tester runs two methods simultaneously or independently—ideal for bioequivalence studies of generic vs. innovator drug formulations. The 14 stirring positions allow for 6+1 or 12+2 configurations for improved workload efficiency in R&D, formulations, QC, and stability-test labs. With digital temperature probes at 12 positions the CD14 is able to test two different formulations with separate settings for every parameter under the same temperature conditions.

## Efficiency and Productivity

- Smallest footprint in its class: 85 cm W x 61 cm D.
- Precision vessel centering system exceeds the most demanding enhanced mechanical specifications.
- Store up to 500 protocols (methods) on-board.
- Rugged waterbath with low-position front port for ease of draining.
- Large color touch screen with adjustable tilt angle for operators of different heights.

## 21 CFR Part 11 Compliance

- Up to 100 users with three-levels of security and customizable profiles at each level.
- Biometric fingerprint reader for positive ID of users, plus password-only option.
- Customizable report formats with up to three signatures per report.



## CD14 Tester Specifications

- Compatible with Apparatus 1, 2, 5, and 6.
- Spindle speed: 25 rpm to 250 rpm, accurate to  $\pm 1$  rpm with displayed resolution 0.1 rpm.
- Temperature: programmable from 25.0 °C to 50.0 °C with accuracy of  $\pm 0.5$  °C.
- Digital temperature probes: 10 °C to 60 °C with accuracy of  $\pm 0.1$  °C from 30 °C to 55 °C, and displayed resolution of 0.01 °C.
- Compliant with USP, EP, JP, US FDA Enhanced Mechanical Calibration and ASTM E2503 standards.

# CD14 ORDERING INFO

For more information, please contact your local Teledyne Hanson representative or email us at: [hansonsales@teledyne.com](mailto:hansonsales@teledyne.com)

## DISSOLUTION TESTER PACKAGES

- 75-101-111** CD14 Manual Dissolution System  
Includes 14 Easi-Lock vessels, 14 Easi-Lock vessel covers, 14 spin-paddles (PVDF), 12 basket shafts (SS), 12 baskets (SS), 14 manual sampling cannulas, 1 jar of sample tip filters (1,000), Q-Pak, and certifications. Requires 2 power cords ordered separately.
- 75-101-121** CD14 DTP Dissolution System  
Includes 14 Easi-Lock vessels, 12 Easi-Lock ADD vessel covers, 2 Easi-Lock vessel covers, 14 Spin-paddles (PVDF), 12 basket shafts (SS), 12 baskets (SS), 14 manual sampling cannulas, 1 jar of sample tip filters (1,000), 12-position AutoMag, 12 digital temperature probes, 2 stackable apparatus trays, Q-Pak, and certifications. Requires 2 power cords ordered separately.
- 75-101-131** CD14 AutoProbe Dissolution System  
Includes 14 Easi-Lock vessels, 12 Easi-Lock ADD vessel covers, 2 Easi-Lock vessel covers, 14 spin-paddles (PVDF), 12 basket shafts (SS), 12 baskets (SS), 12-position AutoMag, 12-position probe kit sample/return, 1 jar of sample tip filters (1,000), 2 stackable apparatus trays, Q-Pak, and certifications. Requires 2 power cords ordered separately.
- 75-101-141** CD14 AutoProbe/DTP Dissolution System  
Includes 14 Easi-Lock vessels, 12 Easi-Lock ADD vessel covers, 14 spin-paddles (PVDF), 12 basket shafts (SS), 12 baskets (SS), 12-position probe kit sample/return, 12 digital temperature probes, 1 jar of sample tip filters (1,000), 2 stackable apparatus trays, Q-Pak, and certifications. Requires 2 power cords ordered separately.

## DISSOLUTION TESTERS

- 75-101-101** CD14 Dissolution Tester, 1 L  
Includes tester only; order accessories and power cords (2 required) separately.

## Q-PAK™ QUALIFICATION GUIDELINES

- 75-108-105** Q-Pak IQ/OQ/PQ Validation Guideline, CD14 - USP

## ACCESSORIES

- 27-101-091** Filter, Tip Sample, 10 micron, PE, 1/8 in., 1,000pk
- 74-104-201** Cannula, Manual Sampling, Adjustable, 1/8 in., PEEK
- 74-104-280** Apparatus Tray, Stackable
- 74-105-201** Spin-Paddle, PVDF, Serialized
- 74-105-202** Spin-Paddle, 316 SS, Serialized
- 74-105-251** Spin-Basket Shaft, 316 SS, 1 L, Serialized
- 74-105-252** Basket, Precision, 40 Mesh, 316 SS, Serialized
- 74-107-090** Printer, Validation, 115/230 V, Epson
- 74-107-022** Vessel Cover, Easi-Lock
- 74-107-023** Vessel Cover, Easi-Lock ADD
- 75-107-101** Vessel, Easi-Lock, 1 L, Glass, Clear, Serialized
- 75-107-102** Vessel, Easi-Lock, 1 L, Glass, Amber, Serialized
- 75-107-121** Vessel, Easi-Lock, Super Precision, 1 L, Glass, Clear
- 75-107-122** Vessel, Easi-Lock, Super Precision, 1 L, Glass, Amber
- 75-107-150** Dual AutoMag, 12 Positions, Factory Installed  
Includes magazine enclosures; order probe kits separately.
- 75-107-151** Dual AutoMag, 12 Positions, Field Installed  
Includes magazine enclosures and mounting hardware; order probe kits separately.
- 75-107-160** Probe Kit, PEEK, 12 Positions, Sample and Return Probes, Factory Installed  
Includes 12 PEEK sample probes, 12 RTV probes, 12 fluid blocks, 4 harnesses, and mounting hardware.
- 75-107-161** Probe Kit, PEEK, 12 Positions, Sample and Return Probes, Field Installed  
Includes 12 PEEK sample probes, 12 RTV probes, 12 fluid blocks, 4 harnesses, and mounting hardware.
- 75-107-170** Probe Kit, SS, 12 Positions, Sample and Return Probes, Factory Installed  
Includes 12 sample probes, 12 RTV probes, 12 fluid blocks, 4 harnesses, and mounting hardware.
- 75-107-171** Probe Kit, SS, 12 Positions, Sample and Return Probes, Field Installed  
Includes 12 sample probes, 12 RTV probes, 12 fluid blocks, 4 harnesses, and mounting hardware.
- 75-107-180** Digital Temp Probes w/PCB, 12 Positions, Factory Installed  
Includes 12 digital temperature probes.
- 75-107-181** Digital Temp Probes w/PCB, 12 Positions, Field Installed  
Includes 12 digital temperature probes and installation hardware.

