# **CD14 COMPARATIVE DISSOLUTION**

# The Teledyne Hanson 14-vessel **CD14 Comparative 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.



- 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 ± 1 rpm with displayed resolution 0.1 rpm.
- Temperature: programmable from 25.0 °C to 50.0 °C with accuracy of ± 0.5 °C.
- Digital temperature probes: 10 °C to 60 °C with accuracy of ± 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.
- Seamless integration with CD AutoPlus<sup>™</sup> autosamplers and AutoFill<sup>™</sup> fraction collectors.



# **CD14 ORDERING INFO**

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

| DISSOLUTION     | <b>TESTER</b> | PACKAGES |
|-----------------|---------------|----------|
| D.000 = 0 1.011 |               | . ,      |

**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), USP 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, USP 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 PEEK Auto-Probe Kit sample/return, 1 jar of sample tip filters (1,000), 2 stackable apparatus trays, USP 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, 2 Easi-Lock vessel covers, 14 spin-paddles (PVDF), 12 basket shafts (SS), 12 baskets (SS), 12-position AutoMag, 12-Position PEEK Auto-Probe Kit sample/return, 12 digital temperature probes, 1 jar of sample tip filters (1,000), 2 stackable apparatus trays, USP Q-Pak, and certification. 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

**75-108-106** Q-Pak IQ/OQ Validation Guideline,

CD14, ASTM

#### **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

Auto-Probe kits separately.

**75-107-151** Dual AutoMag, 12 Positions, Field Installed

Includes magazine enclosures and mounting hardware; order Auto-Probe kits separately.

**75-107-160** Auto-Probe Kit, PEEK, 12 Positions, Sample and Return Probes, Factory Installed

Includes 12 PEEK sample probes, 12 RTV

probes, 4 harnesses, and mounting hardware. **75-107-161** Auto-Probe Kit, PEEK, 12 Positions, Sample

Auto-Probe Kit, PEEK, 12 Positions, Sample and Return Probes. Field Installed

Includes 12 PEEK sample probes, 12 RTV probes, 4 harnesses, and mounting hardware.

75-107-170 Auto-Probe Kit, SS, 12 Positions, Sample and

Return Probes, Factory Installed

Includes 12 SS sample probes, 12 RTV probes,

4 harnesses, and mounting hardware.

**75-107-171** Auto-Probe Kit, SS, 12 Positions, Sample and

Return Probes, Field Installed

Includes 12 SS sample probes, 12 RTV probes,

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.

