

Tablet Dissolution Tester

SIMPLY SMART - STREAMLINE YOUR DAILY WORK.



TABLET DISSOLUTION TESTING

In the majority of cases, the effectiveness of tablets or capsules administered orally relies on the drug dissolving in the fluids of the gastrointestinal tract, prior to absorption into the systemic circulation. For this reason, the rate at which a tablet or capsule dissolves is critical to its therapeutic efficiency and is a key factor in both the formulation process and final quality control. The most common instrument used to measure the dissolution rate of solid dose forms is the Dissolution Tester. Common apparatus like baskets and paddles are using the same basic configuration, are simple, robust and can be used to test a variety of different products.

RIGGTEK DISSOLUTION TESTER „Dissilio TXpro“

The Dissilio Dissolution Tester Series offers innovative, reliable, and user-friendly technology for tablet testing. Key features include „RT-SHAFTS“ with integrated temperature sensors for continuous monitoring, ensuring precision and ease of use. Adhering to ISO 9001:2015 standards and the “Quality by Design” approach, these Dissilio pro provide high accuracy, performance, and reduced laboratory costs. Fully compliant with the latest requirements of the European and U.S. Pharmacopoeias, the Dissilio series ensures top-tier reliability and efficiency for modern laboratories. The RIGGTEK „Dissilio“ Dissolution Tester is designed to propel your laboratory into the future.

„Dissilio“ SMART FEATURES



All these specifications and features have one target – MAKE YOUR EVERYDAY WORK EASIER.

The „Dissilio“ is your ideal partner in dissolution testing for both R&D and quality control applications, your everyday workhorse or your innovative, economical assistant.

Tailored to your specific requirements, our innovative Dissilio TXpro Dissolution Tester propels your progress and seamlessly replaces any existing brand. We uphold the principles of precision, passion, and sustainable engineering – all proudly „Made in Germany.“



	Dissilio TXpro 8 / cool	Dissilio TXpro 16
VESSEL POSITIONS	6 standard (7, 8 optional)	12 standard (13-16 optional)
VOLUME	500-1000ml and 100ml, 200ml, 250ml with small volume kits	
METHODS	possible are USP methods 1 (Basket), 2 (Paddle), 5 (Paddle over Disk) and 6 (Rotating Cylinder), Intrinsic, Immersion Cell, Felodipine Baskets, suppository baskets and more	
COMPLIANCE	Designed 100% USP/EP/JP compliant and fulfill all specifications in accordance with FDA Enhanced Mechanical Calibration	
AUTOMATION	Automatic Tablet Drop optional, combination with Autosampler optional	
SPEED	Range: 25-300RPM (25-30 for qualification issues only) Control: digital closed loop circuitry with automatic checking compensating Typically ± 2 rpm up to 100 RPM and $\pm 1\%$ > 100 RPM, Resolution internal: 0,1 rpm Optional 2 speeds	Optional 2 or 4 speeds
SPEED SENSOR	Model: Optical Encoder Accuracy: $\pm 2\%$	
TEMPERATURE	Range: Ambient (max.28°C) - 50°C, independent cooling optional down to 5°C Stability: $\pm 0,1^{\circ}\text{C}$	
TEMPERATURE PROBE	Model: PT100, Compliance: DIN 751 for class A devices Resolution: 0,01°C, Tolerance/Accuracy: $\pm 0,2^{\circ}\text{C}$ Model: RT-Shafts, 6 - 8 individual Shafts Model: RT-Shafts, 12 - 16 individual Shafts Stirring shafts equipped with integrated temperature sensors provide continuous temperature monitoring and reporting. Resolution: 0,01°C, Tolerance/Accuracy: $\pm 0,2^{\circ}\text{C}$	
MAXIMUM RUNTIME	999h 59min 59s	
EVAPORATION	typically less than 1% during 24 h (37 °C / 50 rpm / 1000 ml) – depending on used vessel covers and media	
INTERFACES	USB, LAN	
DISPLAY	7" colour touchscreen, operable with gloves	
REMOTE ADMINISTRATION / BROWSER INTERFACE	Effortless management of methods, reports, users, roles, audit trails, and system settings using the latest versions of Microsoft Edge®, Google Chrome®, or equivalent browsers.	
USER MANGEMENT	Manage unlimited number of users with individual user permissions	
STORAGE	> 100.000 Methods and > 100.000 Reports	
OPTIONAL PACKAGES	TOP Package, Q Package, LOW-ENERGY Package, CFR Package, BACKUP Package, ATC Package, ACTIVE-DIRECTORY Package, DISSOPREP Driver, SAMPILIO Driver	
DIMENSIONS	Main unit: W 66cm x D 43cm x H 66cm Heater: W 26cm x D 13cm x H 37cm	Main unit: W 120cm x D 43cm x H 66cm Heater: W 26cm x D 13cm x H 37cm
WEIGHT	Without accessories (e.g. shafts, paddles, vessels, etc.) 37kg (water tank empty) 52kg (water tank filled)	70kg (water tank empty) 98kg (water tank filled)
VOLTAGE SUPPLY AND POWER RATING	Main Unit: 220-240V, 50/60Hz, 0,10KW Heater: 230V, 50/60Hz, 1,85kW Heater: 115V, 50/60Hz, 1,85kW Heater: 100V, 50/60Hz, 1,50kW	Main Unit: 220-240V, 50/60Hz, 0,10KW Heater: 230V, 50/60Hz, 1,85kW Heater: 115V, 50/60Hz, 1,85kW Heater: 100V, 50/60Hz, 1,50kW
ENVIRONMATENTAL CONDITIONS	18 to 30°C (Minimum 10°C below the test temperature), stable within $\pm 1^{\circ}\text{C}$ within 30 minutes and $\pm 2,5^{\circ}\text{C}$ absolute 25 to 75% relative humidity, non-condensing	

* specifications are subject of change

