



# DISSO-3 & DISSO-7

# DISSO-3

## USP Dissolution Apparatus 3 Reciprocating Cylinder with Automated Sample Collection

### Features

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- Available in 6-row or 12-row configurations
- 300 mL or 1 L vessel options
  - 300 mL: eight sample holders x six rows
  - 1 L: eight sample holders with eight 1 L positions
- Unique anti-evaporation vessel cover significantly reduces solvent evaporation and prevents cross contamination
- Ability to configure multi-point sampling per row for dissolution method screening
- Programmable stroke distance to ensure USP compliance with different dosage types
- Multiple mesh screen sizes and materials to choose from
- Automated media replacement to ensure sink conditions
- Post-test wash routines
- Storage up to 20 methods
- Administrator, manager, operator security levels
- 21 CFR Part 11, USP, EP, JP, CP compliant

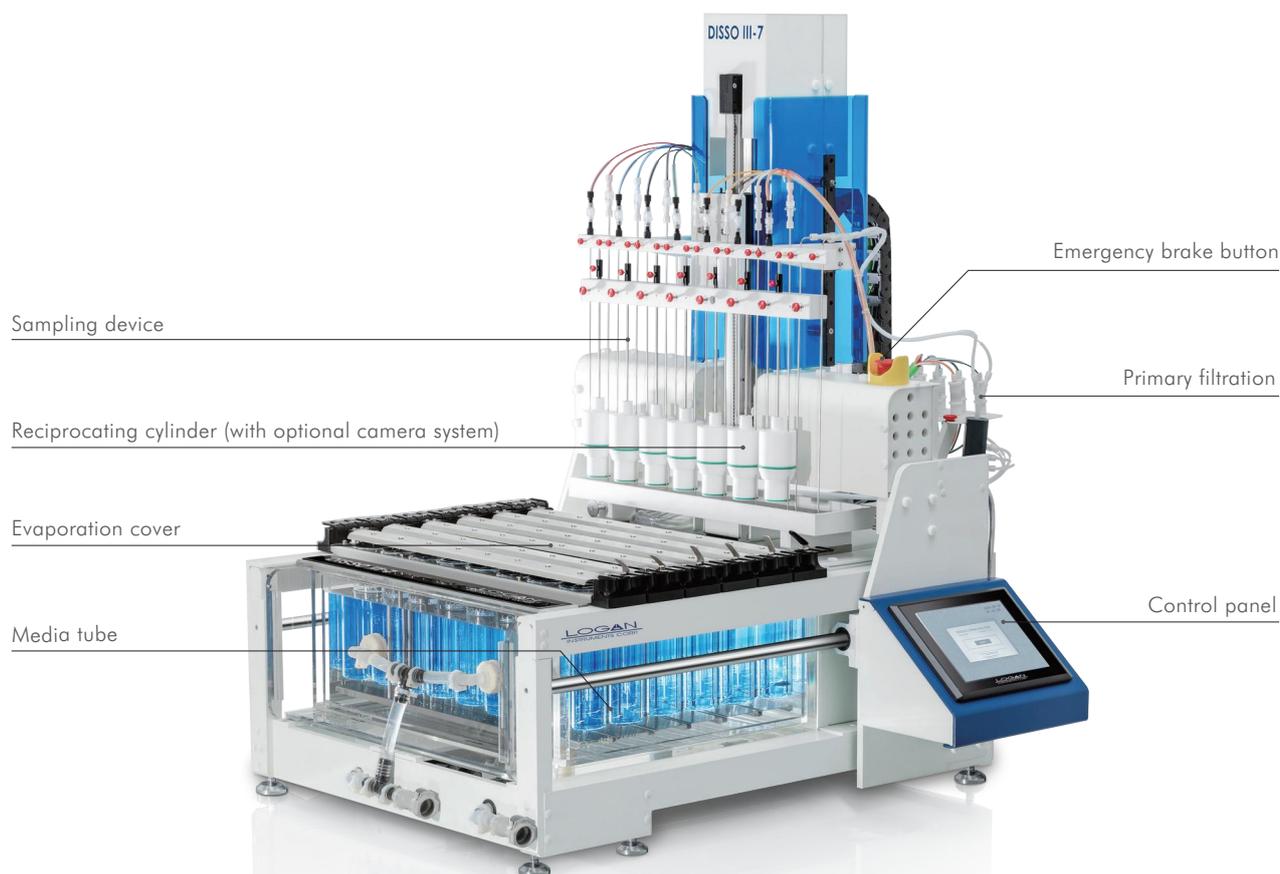
### Product introduction

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The DISSO-3 reciprocating cylinder apparatus is a valuable tool for evaluating API release characteristics for sustained-release, enteric, soft capsules, chewable tablets, or any solid dosage form where evaluation of different pH conditions is important.

### Dissolution Release Rate Tester Using USP Apparatus 3

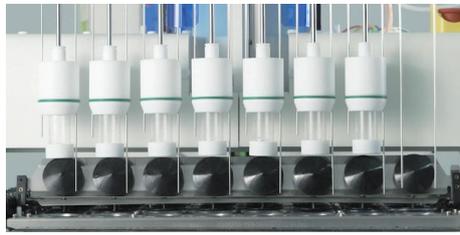
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### Anti-evaporation Independent Cover

Automatic vessel covers shift into place when the row is inactive preventing pH to pH cross contamination



### Reciprocating Cylinder for USP Apparatus 3

Individual sample and media replace probes



### Easy Operation

The standard reciprocating cylinder and all sampling holders are easy to install



### Sampling

Pre-rinse sample lines before taking samples



### Autosampling System

DSC-800 autosampler/controller, SCR-DL sample collector perform automatic sampling

### Auto Cleaning

The sampling and media replacement tubing can be automatically cleaned with the program

## Extended Functions

- Available camera monitoring system can record the entire process of drug release
- Compatible with the Logan Permetro bioequivalence (BE) tester
- Ability to run with on-line UV

## Applications

USP Apparatus 3 is commonly used for testing of drugs such as sustained-release, enteric-coated, soft capsules, and chewable tablets.

## Customized Service

Logan not only offers standard equipment but provides customized solutions to meet most application demands. If you have a unique challenge, let us know.



Standardized Reciprocating Cylinder



Reciprocating Cylinder Large Cup Method

## Automated Dissolution Release System Includes

DISSO-3 Main Unit	Auto Sampling System
<p>USP Method: Apparatus 3</p> <p>Reciprocating positions: 8 positions/row (include 1 media replication), 6 rows in total</p> <p>Reciprocating frequency: 4~60 dpm</p> <p>Reciprocating accuracy: 4~10 dpm±0.1 dpm 10~40 dpm±0.5 dpm</p> <p>Temperature range: ambient to 45 °C</p> <p>Dimensions: 105 cm × 90 cm × 110 cm (W x D x H)</p> <p>Power: 110 V AC, 50/60 Hz 220 V AC, 50/60 Hz</p>	<p>8-position precision syringe pump</p> <p>Sample collection: 1-10 mL</p> <p>Stroke distance: 2 or 4 or 6 or 8 or 10 cm±2 mm</p> <p>Maximum test length: 10 cm</p> <p>Collection: up to 20 time points</p> <p>Volumetric accuracy: 0.1 mL</p> <p>Storage up to 20 methods</p> <p>Users: 24</p> <p>Multi-language support</p> <p>Built-in printer</p> <p>Color touch screen</p> <p>Dimensions: 56 cm × 90 cm × 51 cm (W x D x H)</p> <p>Power: 110 V AC, 50/60 Hz 220 V AC, 50/60 Hz</p>

# DISSO-7

## USP Dissolution Apparatus 7 Reciprocating Sample Holder with Automated Sample Collection

### Features

- Available in 6-row or 12-row configurations
- Choose a single 8-position sample head, dual 8-position head (16), 12-position sample head, or dual 12-position sample head (24)
- 50 mL or 300 mL vessel sizes
- Unique anti-evaporation vessel covers significantly reduce solvent evaporation and prevents cross contamination
- Ability to configure multi-point sampling per row for dissolution method screening
- Programmable stroke distance to ensure USP compliance with different dosage types
- Multiple mesh sizes and materials to choose from
- Automated media replacement to ensure sink conditions
- Post-test wash routines
- Storage up to 20 methods
- Administrator, manager, operator security levels
- 21 CFR Part 11, USP, EP, JP, CP compliant

### Product introduction

The DISSO-7 release rate tester has a modular design and is suitable for evaluating drug release characteristics at different pH values. Although typically used for testing transdermal patches, implants, arterial stents, and in vivo conductive balloons, Logan has the ability to custom make DISSO-7 holders for nearly any dosage form.

### Automated Dissolution Release Rate Tester Using USP Apparatus 7





### Anti-evaporation Independent Cover

Automatic vessel covers shift into place when the row is not active preventing pH to pH cross contamination



### Reciprocating Sample Holders for USP Apparatus 7

Reciprocating sample holders of various specifications are provided



### Sampling

Pre-rinse sample lines before taking samples



### Autosampling System

DSC-800 autosampler/controller, SCR-DL sample collector perform automatic sampling

## Extended Functions

- Available camera monitoring system can record the entire process of drug release
- Compatible with the Logan Permetro bioequivalence (BE) tester
- Ability to run with on-line UV

## Customized Service

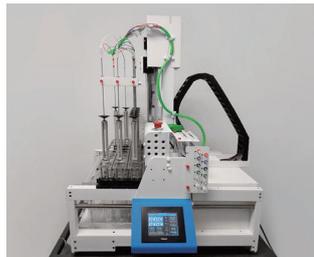
Logan not only offers standard equipment but provides customized solutions to meet most application challenges. Previous customizations for DISSO-7 include contraceptive rings, cardiac stents, hip stems, implants for different parts of human body and novel nanoparticle formulations.

## Applications

USP Apparatus 7 is commonly used for testing of transdermal patches, implants, arterial stents, and in vivo conductive balloons.



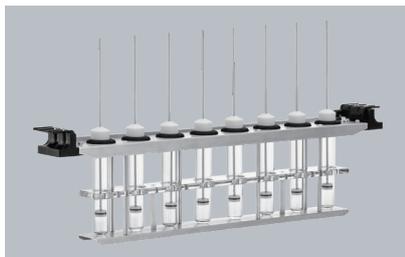
Automated USP 7(12 Rows) Systems



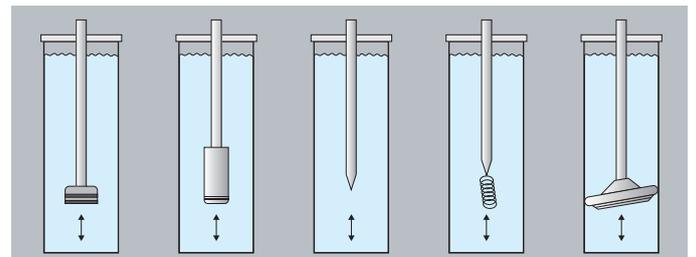
Stent Balloon Tester



Reciprocating Sample Holder



Reciprocating Sample Row



Disk

Cylinder

Pointed Rod

Spring Holder

Angled Disk

## Automated Dissolution Release System Includes

### DISSO-7 Main Unit

USP Method: Apparatus 7  
 Reciprocating positions: 8 positions/row (include 1 media replication), 6 or 12-row configurations  
 Reciprocating frequency: 4~60 dpm  
 Reciprocating accuracy: 4~10 dpm±0.1 dpm 10~40 dpm±0.5 dpm  
 Temperature range: ambient to 45 °C  
 Dimensions: 105 cm × 90 cm × 110 cm (W x D x H)  
 Power: 110 V AC, 50/60 Hz 220 V AC, 50/60 Hz

### Auto Sampling System

8, 12, or 16-position precision syringe pump depending on configuration  
 Sample collection: 1-10 mL  
 Stroke distance: 2 or 4 cm±2 mm  
 Maximum test length: 4 cm  
 Collection: up to 20 time points  
 Volumetric accuracy: 0.1 mL  
 Storage up to 20 methods  
 Users: 24  
 Multi-language support  
 Built-in printer  
 Color touch screen  
 Dimensions: 56 cm × 90 cm × 51 cm (W x D x H)  
 Power: 110 V AC, 50/60 Hz 220 V AC, 50/60 Hz

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