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brochure

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MORE INSIGHTS IN RESEARCH

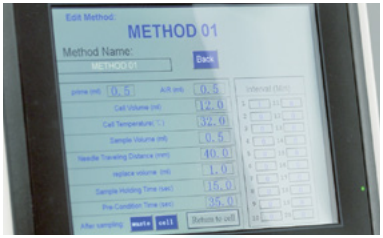
Consumables and tools for better and more efficient drug discovery and development

Automated transdermal diffusion

Automated transdermal diffusion system is made with updated technology. It contains DSC-800 Systems controller, SCR-DL sample collector and a transdermal diffusion system. It can be used for testing permeation rate of semi-solid dosage and topical drug formulation, as well as cosmetics products such as gel, cream, transdermal patches, face mask, lotion, sunscreen, etc.

The System supports data audit tracking, and electric signature. It complies to FDA 21 CFR Part 11 and GMP/GLP requirements.

Model	Features		
913 series	Water jacket heating system	compatible with FDC - 6TA	Compatible with 4 transdermal diffusion systems, automated sampling, partial/full sampling
914 series	Dry heat	compatible with DHC - 6T	
918 series	Dry heat	compatible with DHC - 6TD	



Cell/waste sampling mode

„Cell Mode“ is for partial sampling, it cleans tubing and performs media replacement after sampling. „Waste Mode is for collecting all samples in the cell. It cleans tubing and performs media replacement after sampling

High accuracy sampling

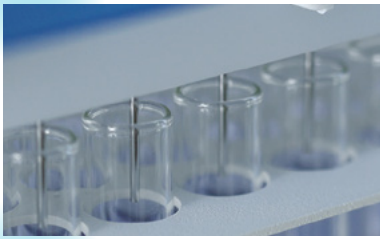
Sampling accuracy ±0.1 ml

Automatic cleaning

Tubing self-cleaning procedure after experminets.

Sample collector

240-position testing tubes and HPLC vials



Multi point sampling

Automated sampling various time intervals

Patented bubble free diffusion cell design

Ensure complete contact skin surface and receptor fluid

Color touchscreen operator

User friendly interface

913 series Automated water jacket heating transdermal systems

- Water Jacket heating
- Compatible with FDC-6TA
- Can work together with 4 transdermal diffusers
- Automated sampling and automated sample collecting
- Partial/integral sampling

Compatible with

FDC-6TA

Features :

- Bubble free experiment
- Water jacket heating system ensures
- temperature accuracy
- Vessel cover ensures temperature and
- protects media from light
- Variable thickness gaskets for controlling
- sample volume
- Two-zone-system with 3 positions per zone

Specifications :

Speed: 600rpm±1rpm
Temperature range: room temperature ~45°C ±0.1°C
Diffusion cell volume: 12 mL
Diffusion cell diameter: 15mm
VTC200 wattage: 700W
Power: 220V/50-60Hz 110V/50-60Hz
Measurements: 50cm×50cm×33cm (L*W*H)

FDC-6 series vertical Transdermal diffusion Cell (Franz Cell)

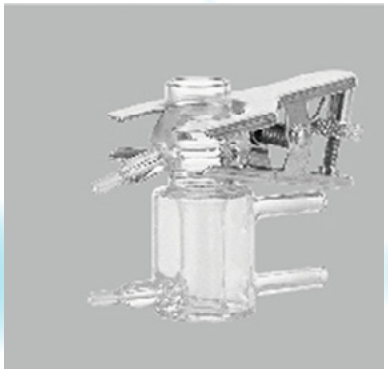
FDC-6 series is made of Franz cell to test drug permeation rate.

Patented bubble free diffusion cell design

Bubble-free system purge out all bubles under the membrane

Partial/full sampling

Updated Franz cell design can perform partial or full sampling



Transdermal diffusion cell

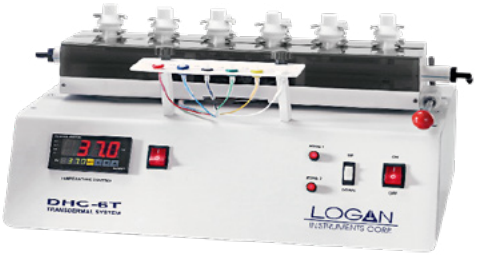
Various sizes available

914 series Dry heating automated transdermal system

- Dry heating mode
- Compatible with DHC-6T
- Can work together with 4 transdermal diffusers
- Automated sampling and automated sample collecting
- Partial/integral sampling

Compatible with

DHC-6T



Features :

- Bubble free Franz diffusion cell
- Dry heating method for even temperature
- Easy clean dry heat diffusion cells with Teflon® top and bottom eliminating glass cells breakage
- Variable thickness gaskets for controlling sample volume

Specifications :

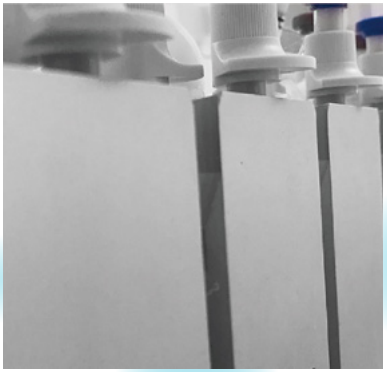
Power: 220V-240V/50-60Hz 110V-120V/50-60Hz
Tilting: Manual
DHBF cell drive position: 6
Control Zone: Zone 1: Drive Position 1,2,3
Zone 2: Drive Position 4,5,6
Stirring method: Teflon coated magnetic bar
Speed: 500-600rpm
Heater: 200W
Temperaute range: 25~45°C
Temperature accuracy: ±3°C

DHC-6 Dry heat transdermal diffusion cell

DHC-6 series dry heat diffusion cell systems are for testing drug permeation rate.

Extended functions:

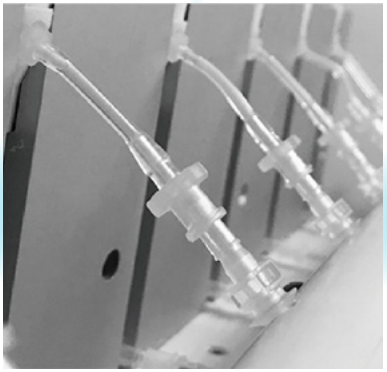
- Optional variable speed control for R&D study
- Optional online degasser
- Upgrade to automated transdermal testing systems



Temperature Control heater block

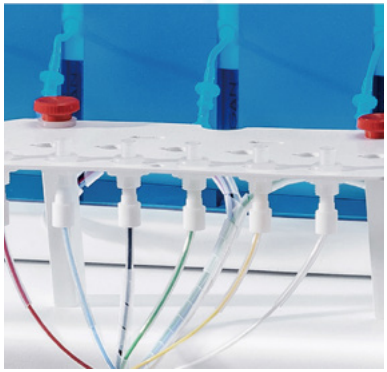
Real time receptor temperature display

User-friendly interface on color touchscreen display



Patented bubble free cells automatically purge bubbles

Translucid cover



Sampling

918 series Dry heating automated transdermal system

- Dry heating mode
- Compatible with DHC-6TD
- Can work together with 4 transdermal diffusers
- Automated sampling and automated sample collecting
- Partial/integral sampling

Compatible with

DHC-6TD

Features :

- Bubble free cells
- Dry heating method for even temperature
- Easy clean dry heat diffusion cells with Teflon top and bottom eliminating glass cell breakage
- Temperature monitoring system for each cell
- Vessel cover design ensures temperature and protects media from light
- Variable thickness gaskets for controlling sample volume

Specifications :

Speed: 600rpm±1rpm
Temperature range: room temperature ~45°C ±0.3°C
Diffusion cell volume: 5mL, 7mL, 9mL and 12mL
Diffusion cell diameter: 15mm
Measurements: 50cm×50cm×33cm (L*W*H)
Power: 220V/50-60Hz 110V/50-60Hz

FTC-800 Flow Thru Diffusion Cell System

- Dry heating mode
- Compatible with DHC-6TD
- Can work together with 4 transdermal diffusers
- Automated sampling and automated sample collecting
- Partial/integral sampling

The Flow-Thru system is available in 6, 8, 12, 16, and 24-position configurations, offering scalability and flexibility to accommodate diverse research needs. The system consists of a modular flow-through cell, a system controller, and a sample collector with syringe pumps.

Features :

- Bubble free cells
- Dry heating method for even temperature
- Easy clean dry heat diffusion cells with Teflon top and bottom eliminating glass cell breakage
- Temperature monitoring system for each cell
- Vessel cover design ensures temperature and protects media from light
- Variable thickness gaskets for controlling sample volume

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