

LOGAN FDC-6 / SFDC-6 / SDC-6



Transdermal Diffusion Cell Drive Console

Transdermal Diffusion Cell Drive Console is remarkably simple to operate; this system comes with the water heater and all the accessories. The SS console top is a good working surface for preparing samples for the diffusion cells. For Franz Diffusion Cells, skin is mounted between the cell cap (donor) and the cell body (receptor). The cell cap is open to the air, exposing the epidermis to the ambient conditions of the laboratory environment. The open cap also allows for a finite dose application of study compounds to the epidermis by use of a micropipette or stirring rod. The dermis is bathed from below with an isotonic saline solution injected through a port provided for that purpose. For the Side-by-Side Cells, skin is mounted between 2 cells.

Temperature is maintained at 37°C by thermostatically controlled water that enters the water jacket of the cells. Warm water is supplied and circulated by two (upper and lower) manifolds that are connected to a constant temperature bath. Homogeneous distribution of temperature in the saline bathing solution is accomplished by the agitating motion of a Teflon-covered magnetic stirring bar, driven by an external magnet and mounted on a timing motor.

Model: SFDC-6

The SFDC-6 Drive Console is able to operate 3 sets of Franz Diffusion Cells and 3 sets of Side-by-Side Cells. The SFDC-6 Drive Console has 2 zones; one is to control the stir of the Franz Cells other zone is for the Side-by-Side Cells.

Model: FDC-6

The FDC-6 Drive Console is able to operate 6 sets of Franz Diffusion Cells, it has 2 zones; each zone controls 3 sets of the Franz Diffusion Cells.

Model: SDC-6

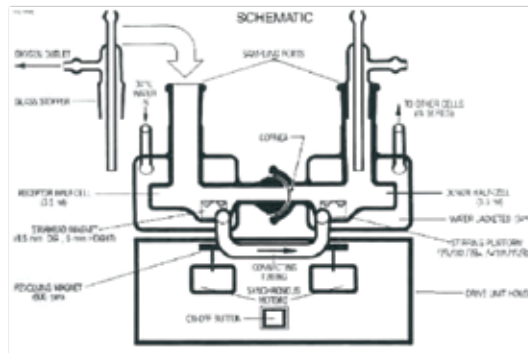
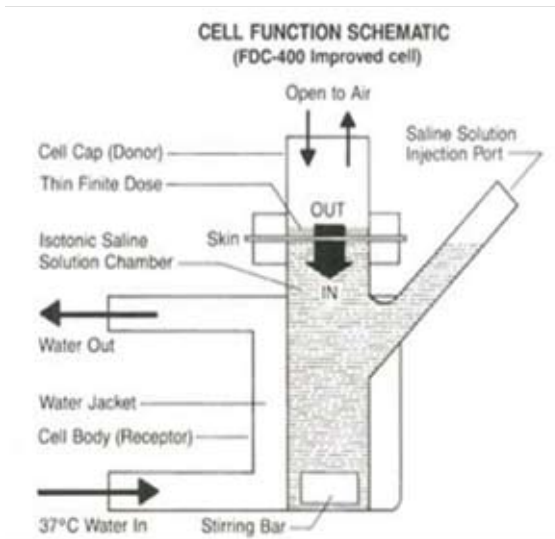
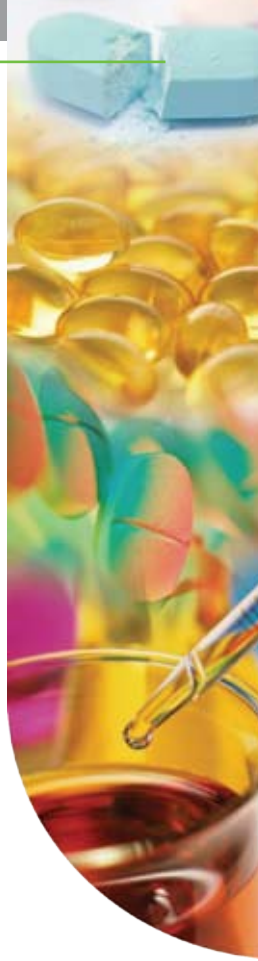
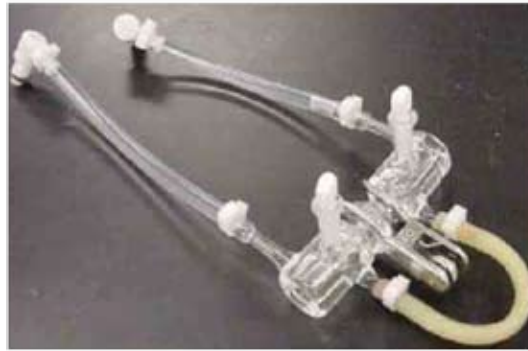
The SDC-6 Drive Console is able to operate 6 sets of Side by Side Diffusion Cells, it has 2 zones; each zone controls 3 sets of the Side by Side Diffusion Cells.

Features:

- **Designed to test creams, lotions, ointments, and patches**
- **Modular design for system expansion**
- **Complete turn key system with temperature control system.**

Logan Transdermal Diffusion Cells

Custom Design & Make to Specification



Logan Diffusion Cell Drive Console Specifications:

Model No.	FDC-6	SFDC-6	SDC-6
Power requirements	110V-120V 50/60 HZ or 220V-240V 50/60 HZ	110V-120V 50/60 HZ or 220V-240V 50/60 HZ	110V-120V 50/60 HZ or 220V-240V 50/60 HZ
Franz Cells	6	3	
Side by Side Cells		3	6
Control Zone	Zone 1: Drive Position 1, 2, 3 Zone 2: Drive Position 4, 5, 6	Zone 1: Franz Cell Positions Zone 2: Side-by-side Cell Positions	Zone 1: Drive Position 1, 2, 3 Zone 2: Drive Position 4, 5, 6
Stirring Method	Teflon coated magnetic bar	Teflon coated magnetic bar	Teflon coated magnetic bar
Speed	300 rpm	300 rpm	300 rpm
Heater	700 watts	700 watts	700 watts
Temperature range	25-45°C	25-45°C	25-45°C
Temperature accuracy	±.1°C	±.1°C	±.1°C

LOGAN SYSTEM 912SCT-S-1

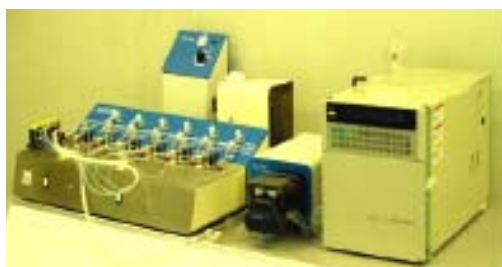


Automated Transdermal Syringe Pump Sampling System

The System 912SCT-S-1 is designed to perform as a Fully Automated Transdermal Diffusion Sampling System. Up to twelve modified Franz cells (6 per console) are linked by the use of syringe pump to correspond with flow cells resting in the auto sampler. Samples are drawn from the flow cells and injected into sample collection vials. Replacement media is then injected into the flow cells allowing the media volume to remain constant throughout the test. Sample testing and data analysis are performed manually.

Logan System 912

Automated Transdermal Diffusion PERI-Pump Sampling System



Able to be online with:

Shimadzu Class VP Auto Sampler

Hitachi L-7250 Auto Sampler

Agilent 1100 Auto Sampler

Logan System 902A

Automated Transdermal Diffusion Cell with Agilent 1100 HPLC

