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LOGAN INSTRUMENTS CORP.

19-C Schoolhouse Rd, Somerset New Jersey 08873 USA

LOGAN Diffusion Cell Apparatus for IVPT & IVRT

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LOGAN Diffusion Cell Apparatus:

- **Section A : Dry Heat System**
- **Section B : Water Jacket System**
- **Section C : Flow-Thru System**

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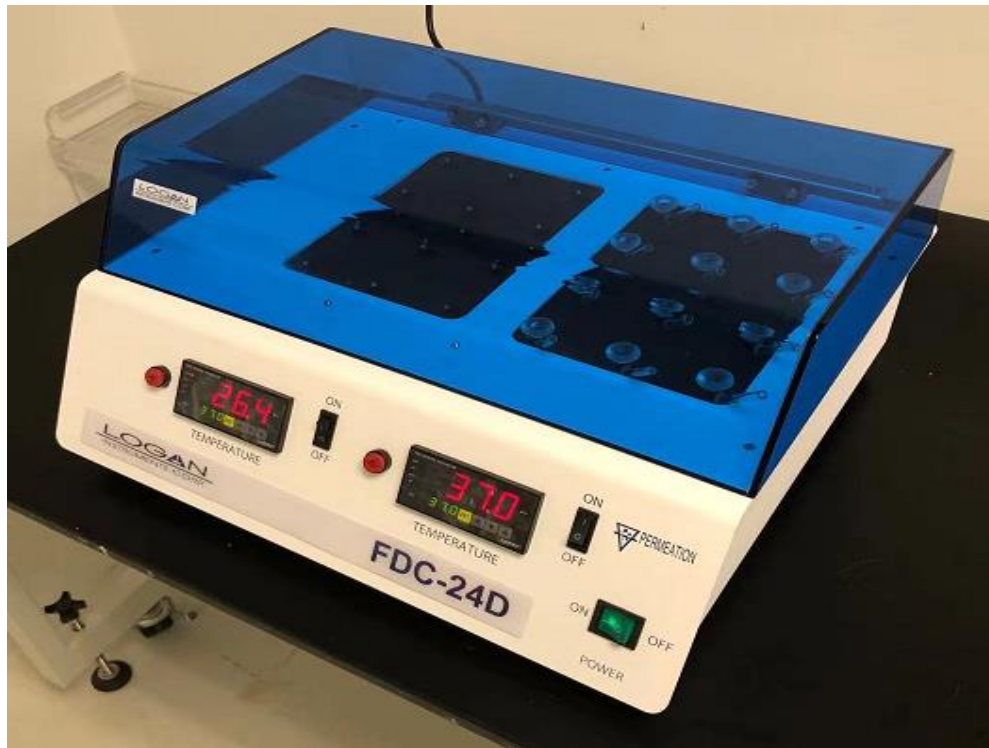
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Section A :

1. Standard Dry Heat System

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LOGAN manual dry heat consoles for IVPT / IVRT
FDC-12D & FDC-24D

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Section A :

2. Dry Heat System

(Manual Bubble Free System)

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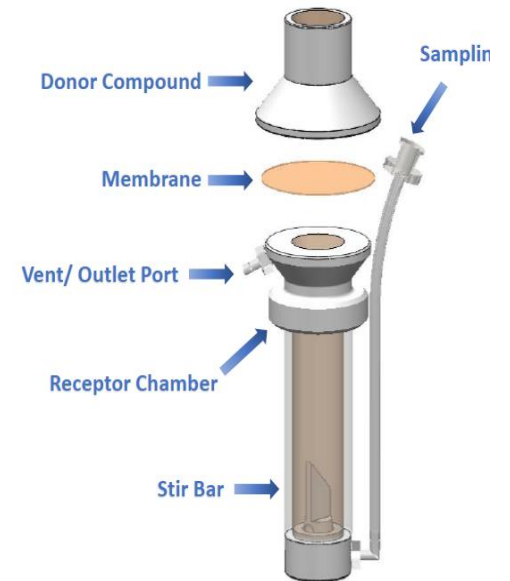
Multiple Dry Heat Cells Console



**TDS-12D Dry Heat
Bubble Free Console**



**TDS-24D Dry Heat
Bubble Free Console**



**Bubble Free
Dry Heat Cell**

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LOGAN manual dry heat cell filling

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Section A :

3. Dry Heat System (Automated Bubble Free System)

Part No	Orifice Size (mm)	Volume (mL)	Area (Square cm)
DHBFC-1512	15	12	1.77

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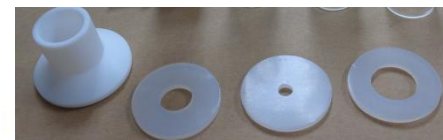
LOGAN Bubble Free System for IVPT / IVRT

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4 different size
stirrers to change cell
volume



Different ID gaskets
to change orifice
sizes

**Logan DHC-6T Dry Heat Console for cream, patches,
ointments, gel etc.**

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- **Cover donor with glass disk or plastic caps, have loose fit so that there is no pressure applied on the membrane**



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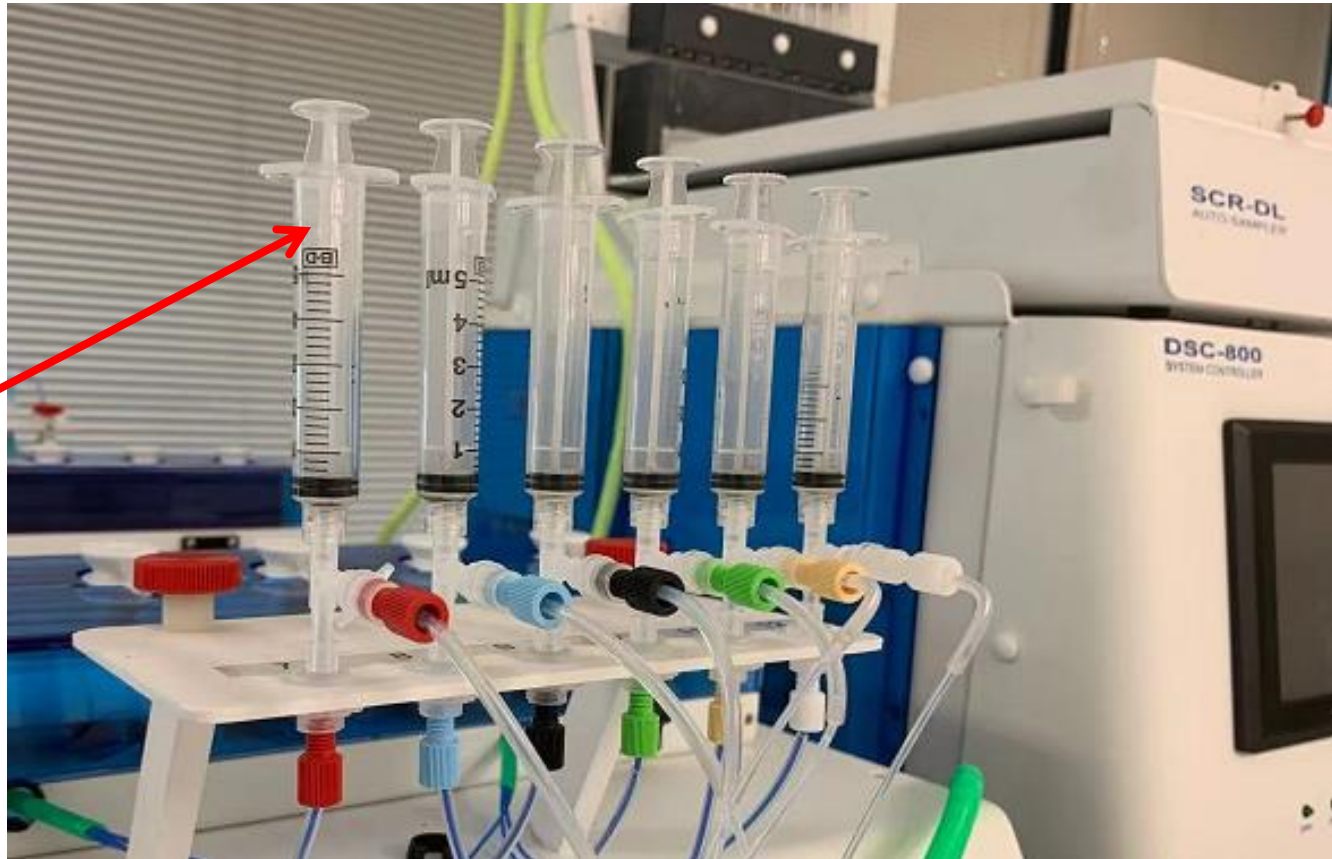
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Logan System 914-6/12 Automated Dry Heat Diffusion cell sampling system for cream, patches, ointments, gel etc.

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Sampling Syringes

Manual sampling in automated system

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Section A :

4. Dry Heat System

(Automated bubble free cell with heated donor and temp. sensors)

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Optional surface
temperature
monitoring system

Heated donor w
/ individual cell
temperature
display



LOGAN DHC-6TD Dry Heat Console for cream, patches, gel, ointments etc.

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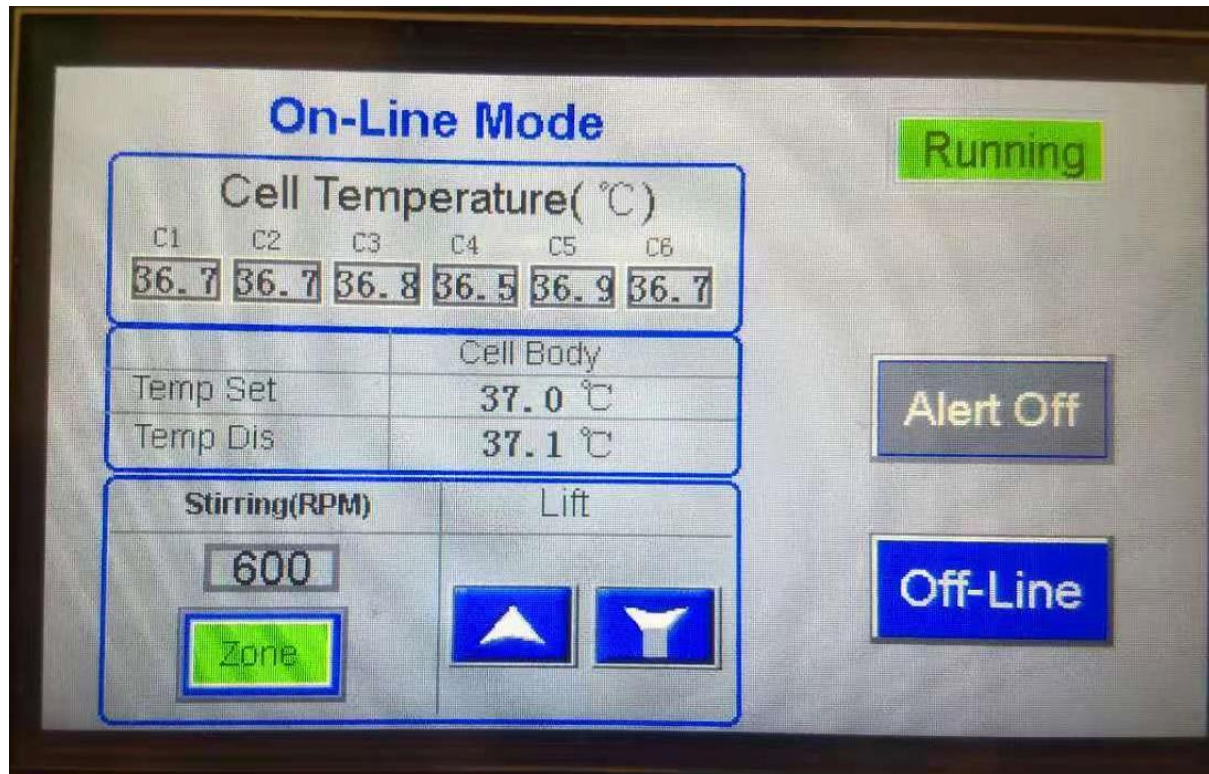


Optional groove surface to grip the skin

LOGAN DHC-6TD Dry Heat cell for cream, patches, gel, ointments etc.

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- Temperature setting from 25 – 45 °C
- Displays each cell temperature
- Adjustable speed from 100-1000 RPM

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Automated Dry Heat Diffusion Cell Sampling System
with
Heated Donor and Cell Temperature Display



LOGAN System 918-6/12 Automated Dry Heat Diffusion cell sampling system for cream, patches, ointments, gel etc.

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LOGAN System 914 & 918 supports up to 24 cells

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LOGAN SYSTEM 918-12 DEMO

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Section A :

5. Dry Heat Robotic System

(Automated bubble free cells with heated donor and temp. sensors)

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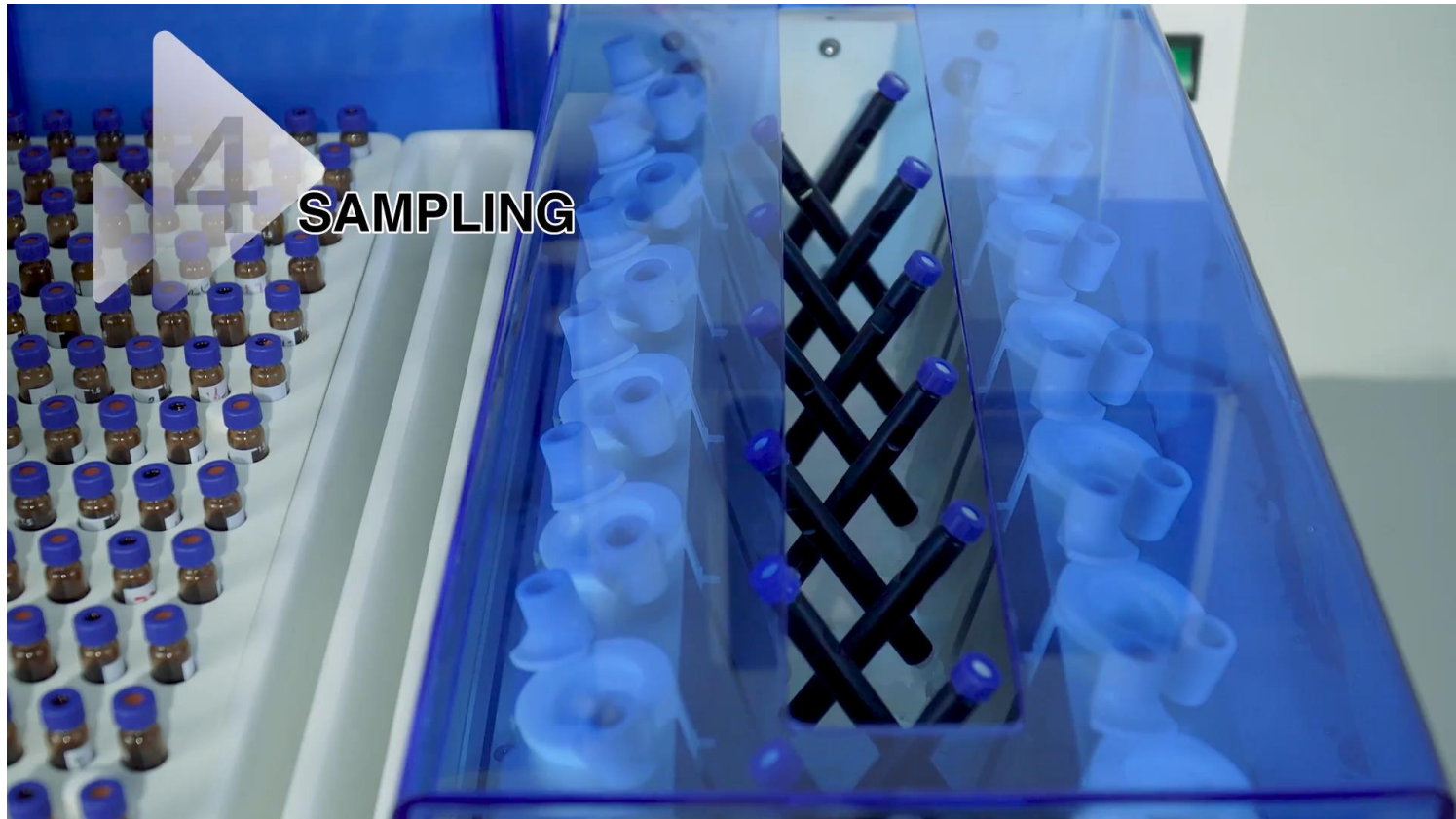
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LOGAN DRAGON-12 Dry Heat Robotic Sampling System

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LOGAN DRAGON-12 dry heat robotic Sampling System
DEMO

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Section B :

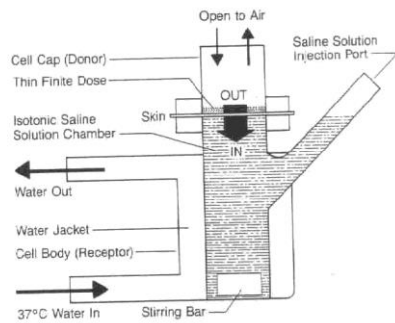
1. Economic Water Jacket System

Part No	Orifice Size (mm)	Volume (mL)	Area (Square cm)
FDC-0503	5	3	.20
FDC-0705	7	5	.38
FDC-0905	9	5	.64
FDC-1108	11.28	8	1.00
FDC-1512	15	12	1.77
FDC-2015	20	15	3.14
FDC-2520	25	20	4.90

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LOGAN Water Jacket Cells



Vertical cell



Water jacket cell
from 90's



Bubble Free Cell

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LOGAN Water Jacket Consoles with built-in heater circulator for
IVPT / IVRT

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Cornea cell



Nail cell

LOGAN Water Jacket Cells

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Section B :

2. Water Jacket System (Bubble Free System)

Part No	Orifice Size (mm)	Volume (ml)	Area (Square cm)
BFC-0503	5	3	.20
BFC-0705	7	5	.38
BFC-0905	9	5	.64
BFC-1108	11.28	8	1.00
BFC-1512	15	12	1.77
BFC-2015	20	15	3.14
BFC-2520	25	20	4.90

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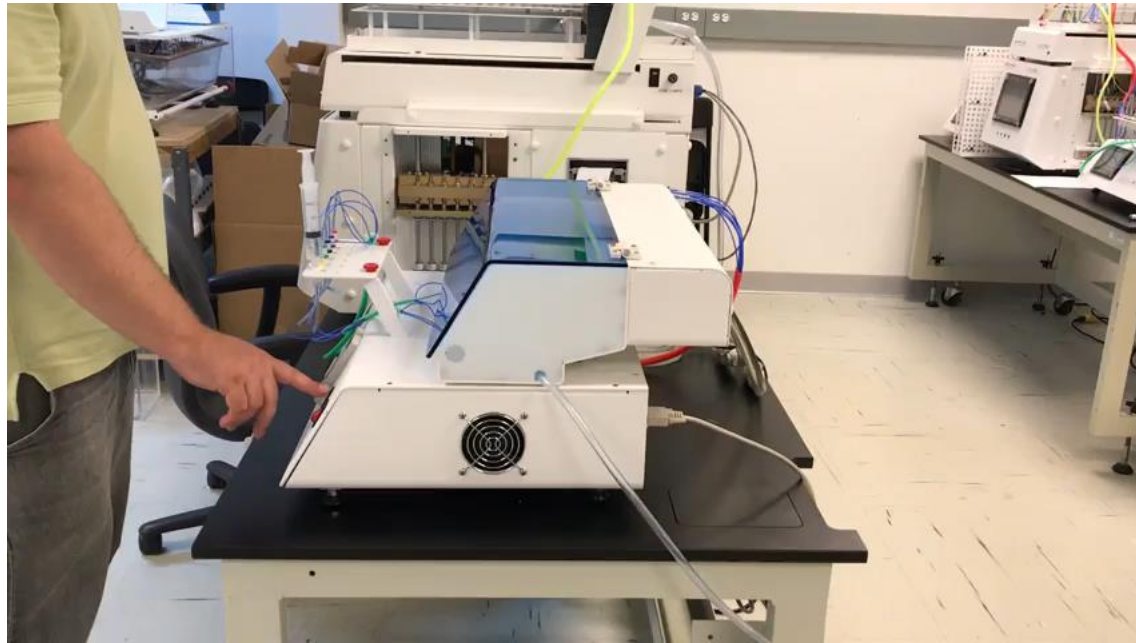


Water jacket bubble free cell

**LOGAN FDC-6TA Water Jacket Bubble Free Cell console
for IVPT / IVRT**

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Water Jacket Bubble Free Cell

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**Water Jacket Bubble Free Cell
temperature verification**

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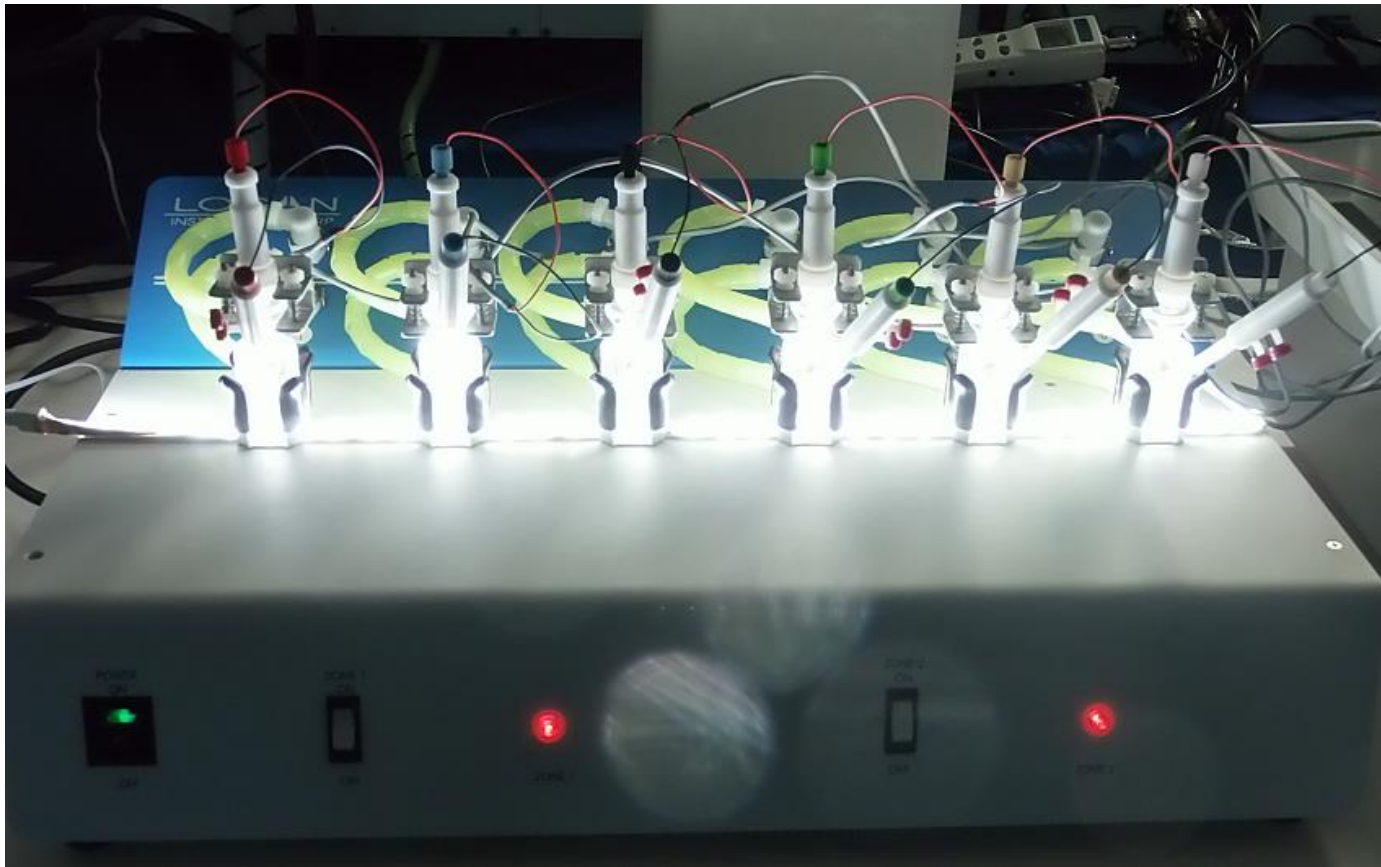
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LOGAN System 913A-6/12 Automated Water Jacket Diffusion Cell Sampling System for cream, patches, ointments, gels etc.

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Vertical Diffusion Cell electrode system

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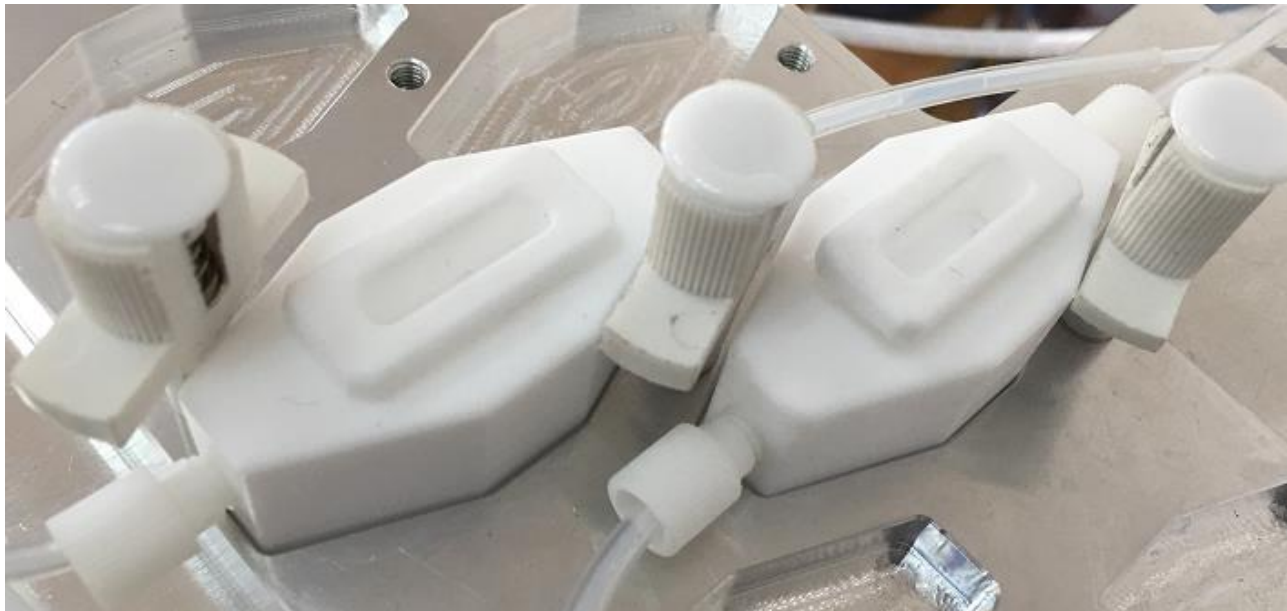
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Section C : Flow- Thru System

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LOGAN Flow-Thru Cells



Test with **LOGAN FTH-800** Automated Flow Thru System for study of hourly absorption rate

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LOGAN FTH-800 Automated Flow Thru Cell System

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Thank you!

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