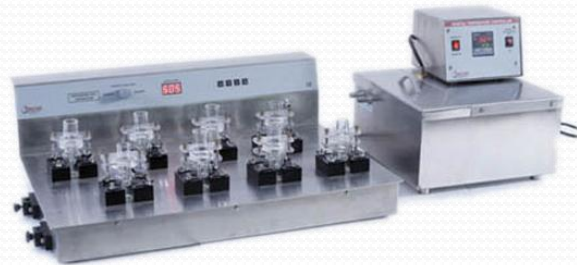


## Diffusion Cell Apparatus

Meditech Technologies India Pvt. Ltd is the largest manufacturer and exporter of Diffusion Cell Apparatus.

The Vertical Franz Diffusion Cell is a simple, reproducible test for measuring the in vitro drug release from creams, ointments and gels.

The Franz Cell consists of two primary chambers separated by a membrane. The test product is applied to the membrane via the top chamber- donor compartment. The bottom chamber-receptor compartment contains fluid from which samples are taken at regular intervals for analysis. This testing determines the amount of active that has permeated the membrane at each time point. The cell is maintained at a constant temperature of 37deg c.



## Features

- Useful for diffusion cell experiments
- Uniform stirring speeds
- Digital speed indicator and controller
- Precise speed control over stirring range 100-990rpm
- Digital Temperature controller for precise temperature control
- Water Circulation System with water level sensors to avoid damage to heating element
- Magnetics Stirrer with stainless steel body to avoid corrosion
- Sturdy, Heavy duty magnetic Stirrers - allowing continuous & Nonstop Operation

The Transdermal Diffusion cell apparatus is remarkably simple to operate; the system is supplied with:

- Seven stage magnetic stirrer with digital RPM indicator
- Water heater & Water circulation system with digital temperature controller and water level indicator
- Cell holders
- Diffusion Cells
- Teflon coated stirring bars

Model	Stirring drive	Certifications	Power requirements	Cells Supplied	Accessories supplied	Optional
EMFDC-07	7 stage	CE Compliant	220/230V AC 50Hz 110/120V AC 50-60Hz*	7 Nos cell of 20ml volume	Cell holder-7, clamps-7, silicon rubber tubing, Stirring bar- 7	Diffusion cell of 5ml, 10ml, 15ml

\* Needs to be specified in order information

## System Specification & Models

Specification	Model
	EMFDC-07
Stirrer Drive	
Stirrer drive	7 stage
Material of construction of enclosure	S.S. 304
RPM Indicator	Digital
RPM Range	100-990rpm
Water circulation System	
Material of construction of enclosure	S.S. 304
Temperature range & accuracy	5°C Above ambient to 80°C (±0.2°C)

## Order Information

Model	Stirring drive	Certifications	Power requirements	Cells Supplied	Accessories supplied	Optional
EMFDC-07	7 stage	CE Compliant	220/230V AC 50Hz 110/120V AC 50-60Hz*	7 Nos cell of 20ml volume	Cell holder-7, clamps-7, silicon rubber tubing, Stirring bar-7	Diffusion cell of 5ml, 10ml, 15ml