

DHC-6T

Dry Heat Transdermal System



The DHC-6T Dry Heat Transdermal System is remarkably simple to use, the DHBF Cells (Dry Heat Bubble Free Cells) are constructed with molded Teflon donors and precision cut glass bodies. Skin is mounted between the cell cap (donor) and the cell body (receptor). The dermis is bathed from below with an isotonic saline solution injected through the bottom port, which flows thru the upper port to provide contact with no bubbles under the skin.

Temperature is maintained at 37°C with a thermostatically controlled heater block. Users can easily insert the DHBF Cells into the cell slots, which will be maintained within $\pm 0.3^\circ\text{C}$ of the set temperature. 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, which is mounted on a timing motor.

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 finite dose application of study compounds to the epidermis by use of a micropipette or stirring rod.

All the DHBF Cells are installed in a light protection chamber. The samples are taken from the bottom of each DHBF Cell with pre-mounted syringes prior to the media replacement. All the DHBF Cells tilt up while the media replacement is taking place to allow all the bubbles to purge out.



Syringe manifold for easy sampling (built-in sampling manifold)



· Interchangeable glass cell volumes, no more broken Franz cells



Tilting system to purge air bubbles



· Designed to test creams, lotions, ointments, and patches



· New cleaner look with light covers



Dry - Heat design for parallel even heating



For sampling, the cell support plate lays flat



Dry Heat Bubble Free Cell (DHBF Cell)

Specifications

Model Number DHC - 6T

Power requirements	110V-120V 50/60 Hz 220V-240V 50/60 Hz
Tilting	Manually
DHBF cell drive positions	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 - 600 RPM
Heater	200 watts
Temperature range	25~45 °C
Temperature accuracy	±.3°C

Model Number DHC - 6AT

Power requirements	110V-120V 50/60 Hz 220V-240V 50/60 Hz
Tilting	Auto Lift
DHBF cell drive positions	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 - 600 RPM
Heater	200 watts
Temperature range	25~45 °C
Temperature accuracy	±.3°C