



SYSTEM 918

Automated Diffusion Test System For IVRT and IVPT Applications

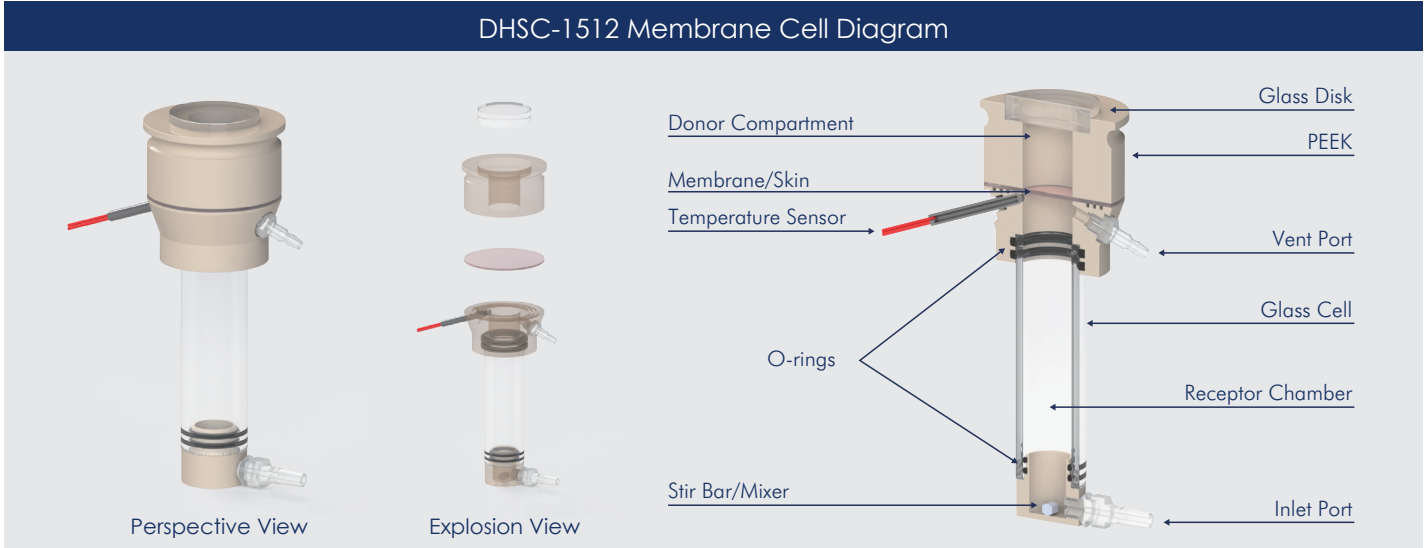
- Aliquot or full media replacement sampling programmability
- Dry heat technology: no waterbath
- Bubble-free system with motorized tilt to purge air bubbles at each time point
- Two programmable speed zones per console
- Heated donor chamber
- Individual cell temperature monitoring directly below the membrane surface
- Optional infrared membrane surface temperature monitoring
- Independent sampling fluidics per 6-cell console eliminate cross-contamination risk
- Available in 5, 7 and 9 mL receptor volumes
- Environmental protective cover
- Collect in test tubes or HPLC vials
- 21 CFR Part 11, USP, EP, JP, CP compliant

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Product introduction

SYSTEM 918-12 is a fully automated dry heat, modular 12-cell diffusion sampling system with unique temperature monitoring for both IVPT and IVRT methods. Suitable for creams, lotions, gels, and ointments, SYSTEM 918-12 is designed for flexibility with applications that require real skin or synthetic membranes.



Configurations

Model	Configurations	Sampling Method	Dimensions (W x D x H)
DHC-6TD	Dry Heat Diffusion Cell Drive Console with Heated Donor & Touch Screen Control & Individual Cell Temperature Monitoring	Manual	56 cm x 56 cm x 50 cm
SYSTEM 918-6	DHC-6TDx1, DSC-800, SCR-DL	Automated	106 cm x 76 cm x 85 cm
SYSTEM 918-12	DHC-6TDx2, DSC-800, SCR-DL	Automated	170 cm x 76 cm x 85 cm
SYSTEM 918-24	DHC-6TDx4, DSC-800, SCR-DL	Automated	170 cm x 122 cm x 85 cm

Specifications

DHC-6TD Drive Console	Automated Sampling System
Cell positions: 6 per console Speed control zones: 2 zones per console Speed: Programmable 100-1000 rpm Temperature: ambient to 45 °C ± 1 °C Stirring: PVDF-coated magnetic bar Motorized tilting: Yes Power: 110 V AC, 50/60 Hz 220 V AC, 50/60 Hz	Precision syringe pump Sample collection: 1-10 mL Collection: up to 20 time points Volumetric accuracy: 0.1 mL Storage up to 20 methods Multi-language support Built-in printer Color touch screen
DEAR-1200 Degassing Station (optional)	Optional Specialty Cell Available
Vacuum 25 in-Hg Power: 900 W Manual or PLC control	Skin cell Nail cell