

Figure 1

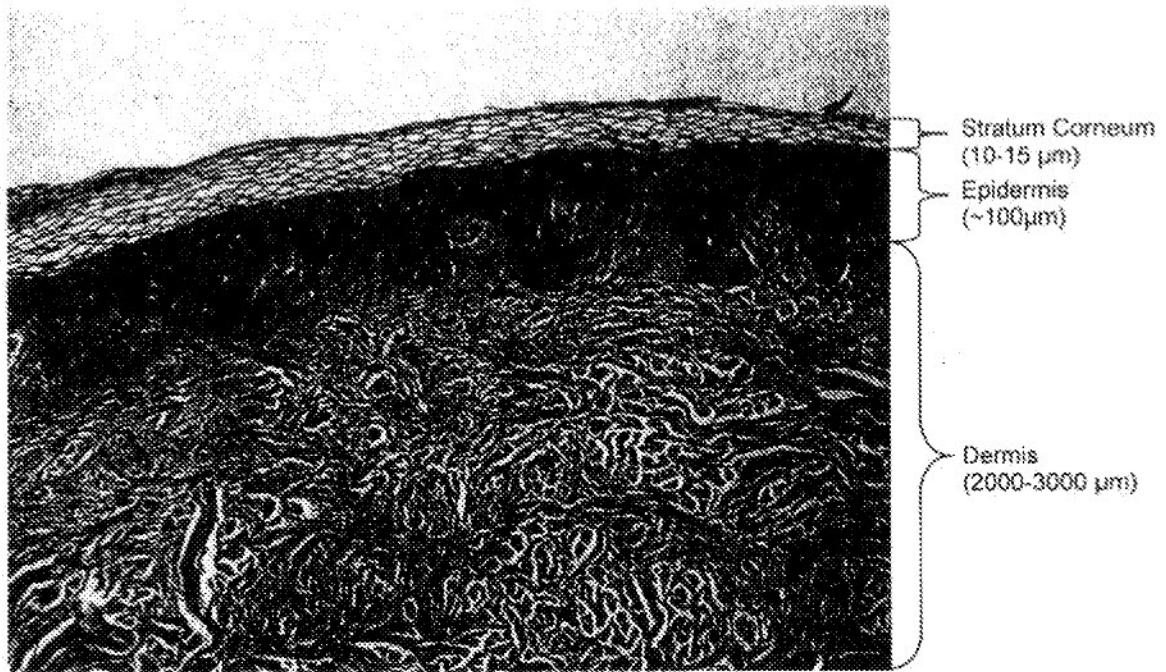


Figure 2

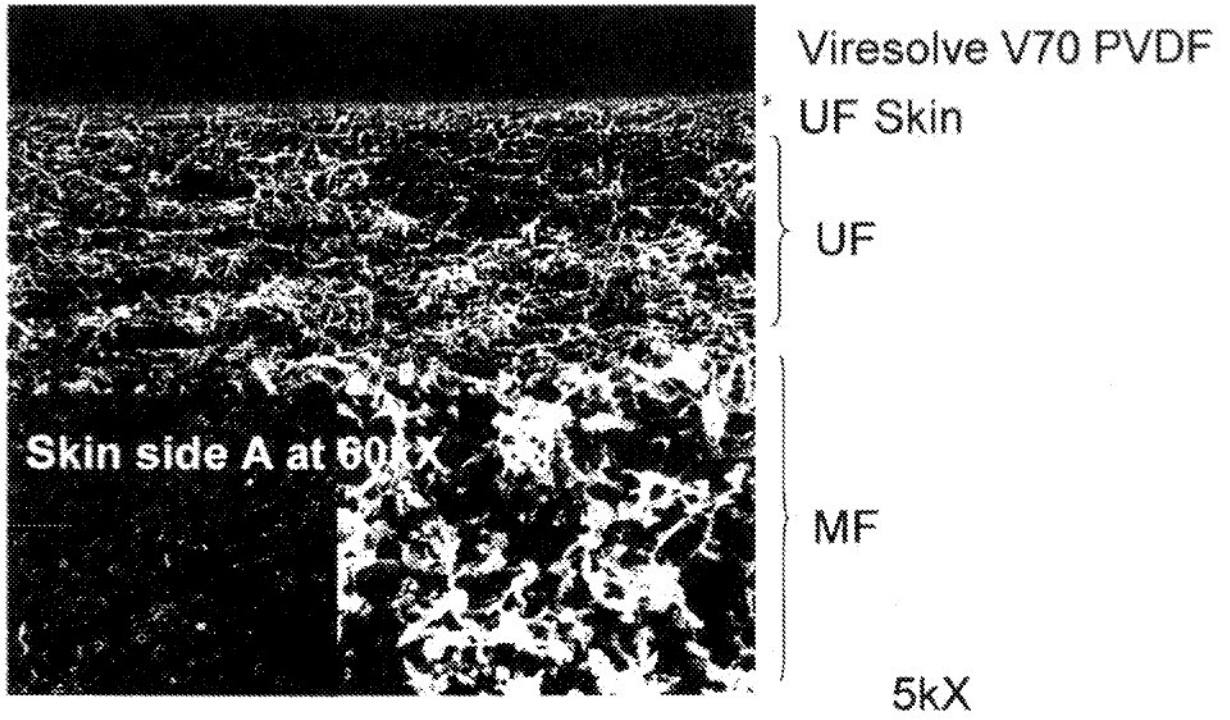
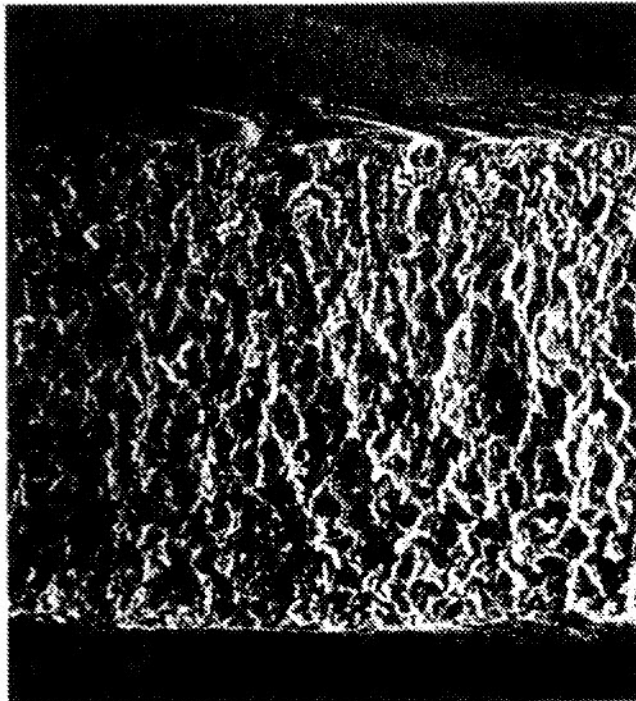


Figure 3



PLCCC 5000 MWCO UF
Composite RC membrane on UPE

← UF RC Skin

UF Substructure
Meshed into UPE support

MF UPE Substructure

1000 kX Mag.

Figure 4

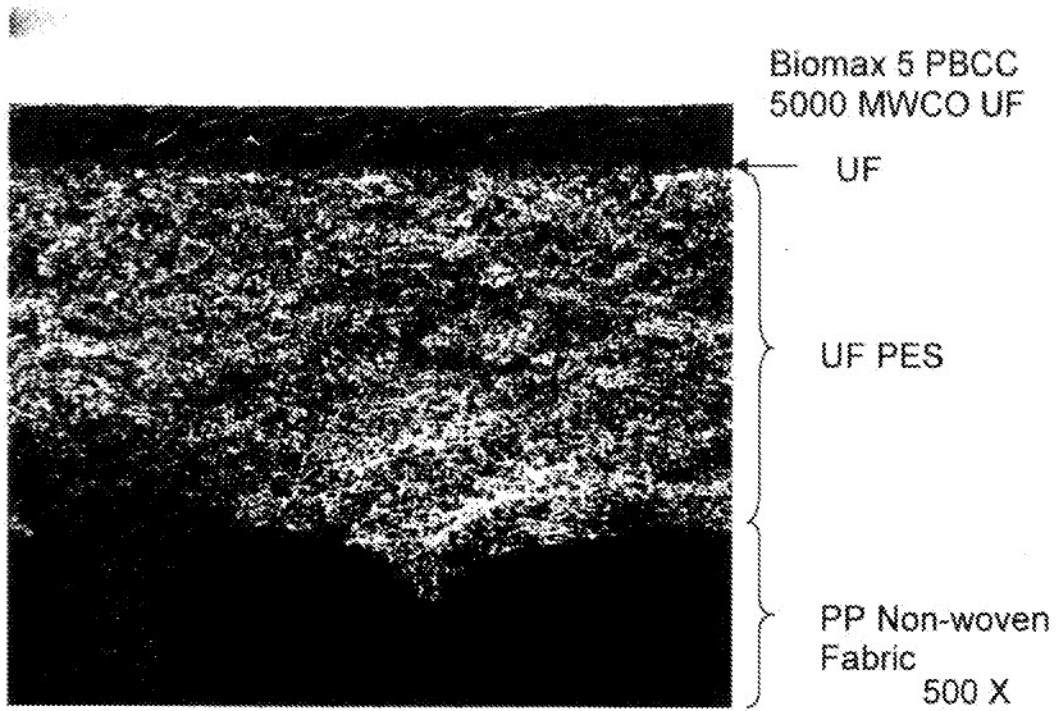


Figure 5

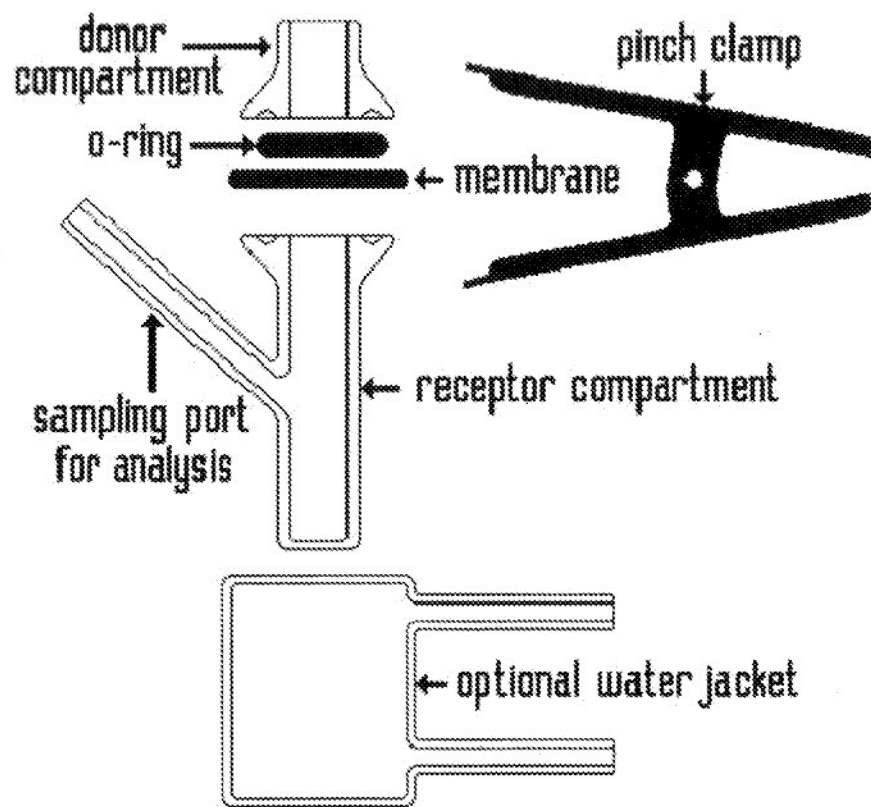


Figure 6

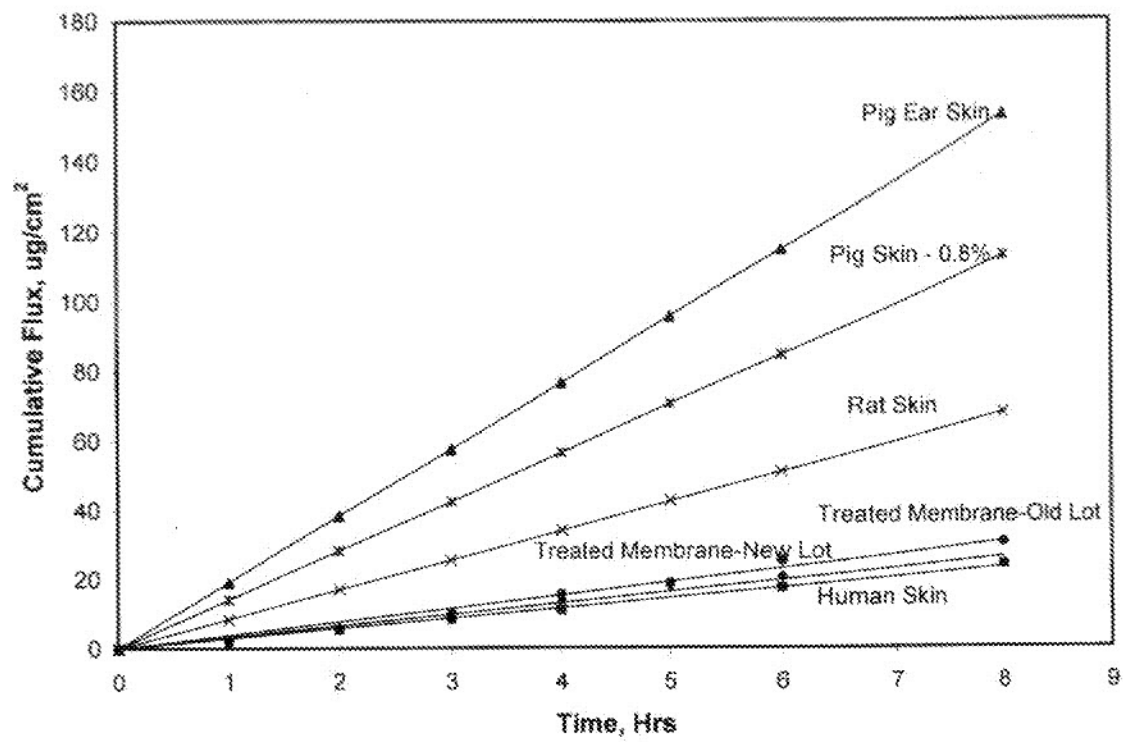


Figure 7

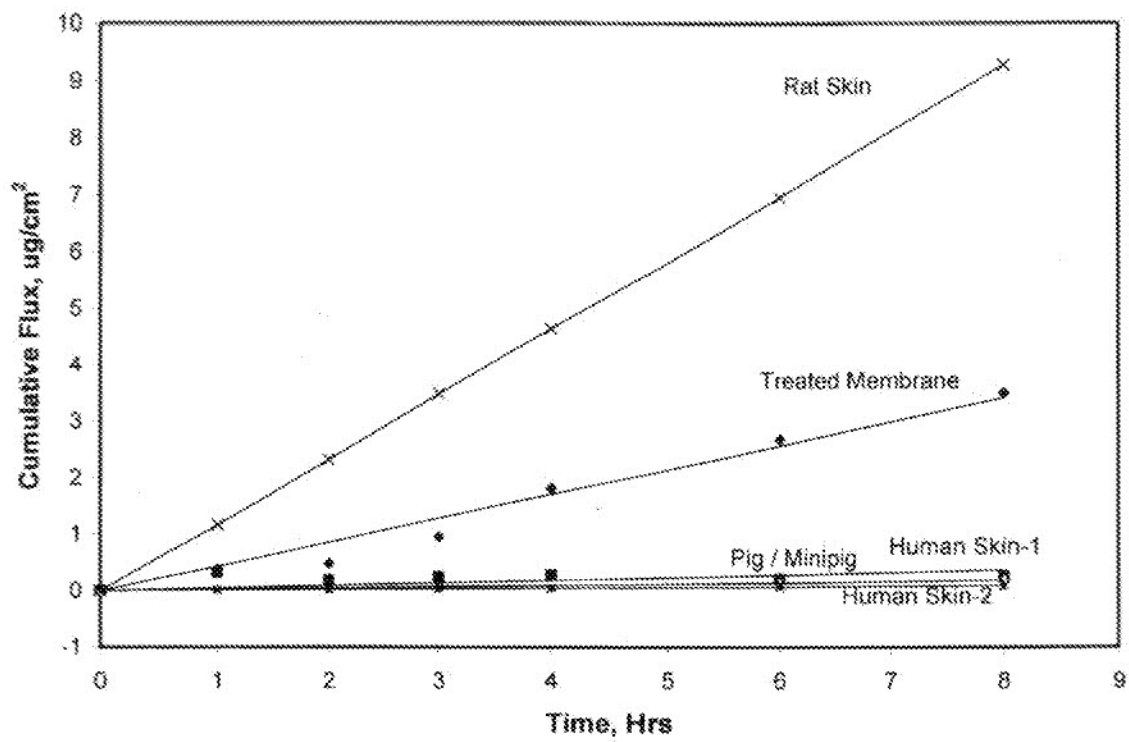


Figure 8

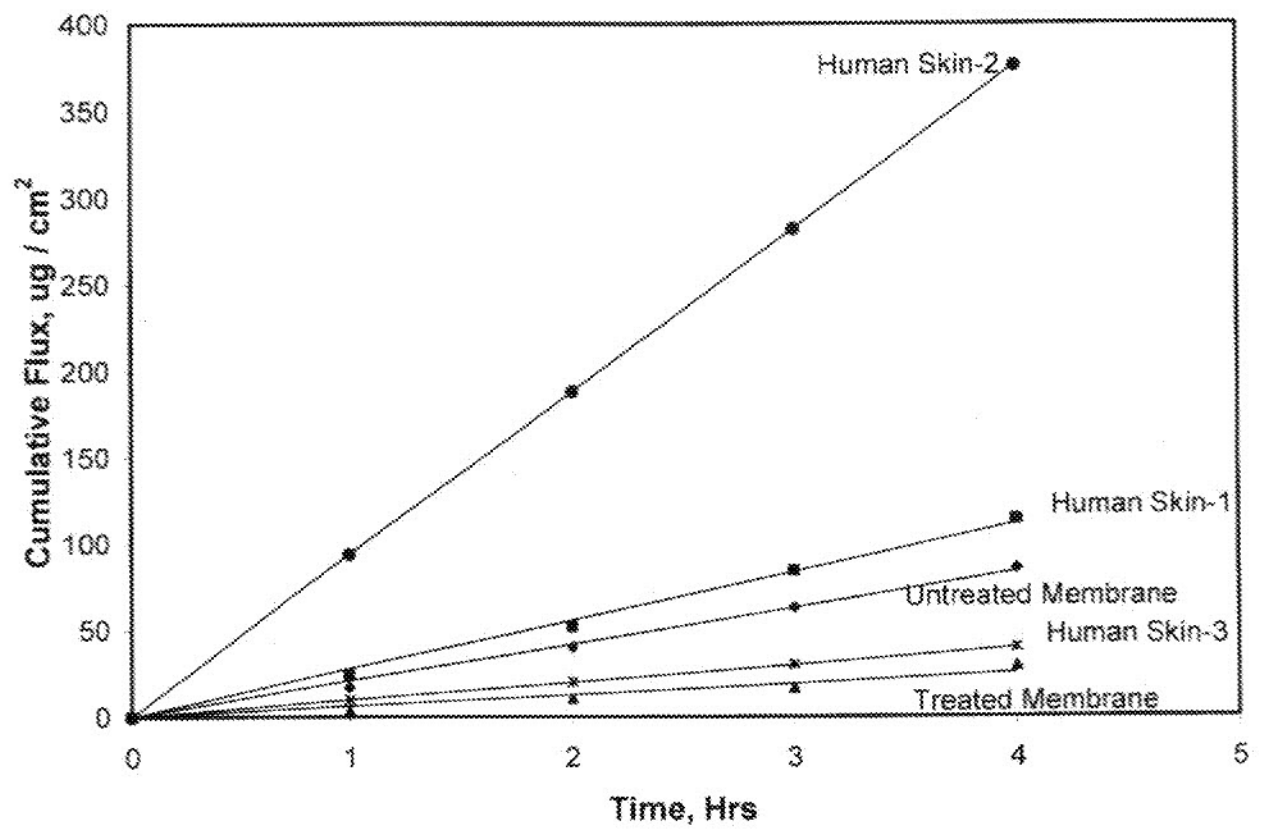


Figure 9

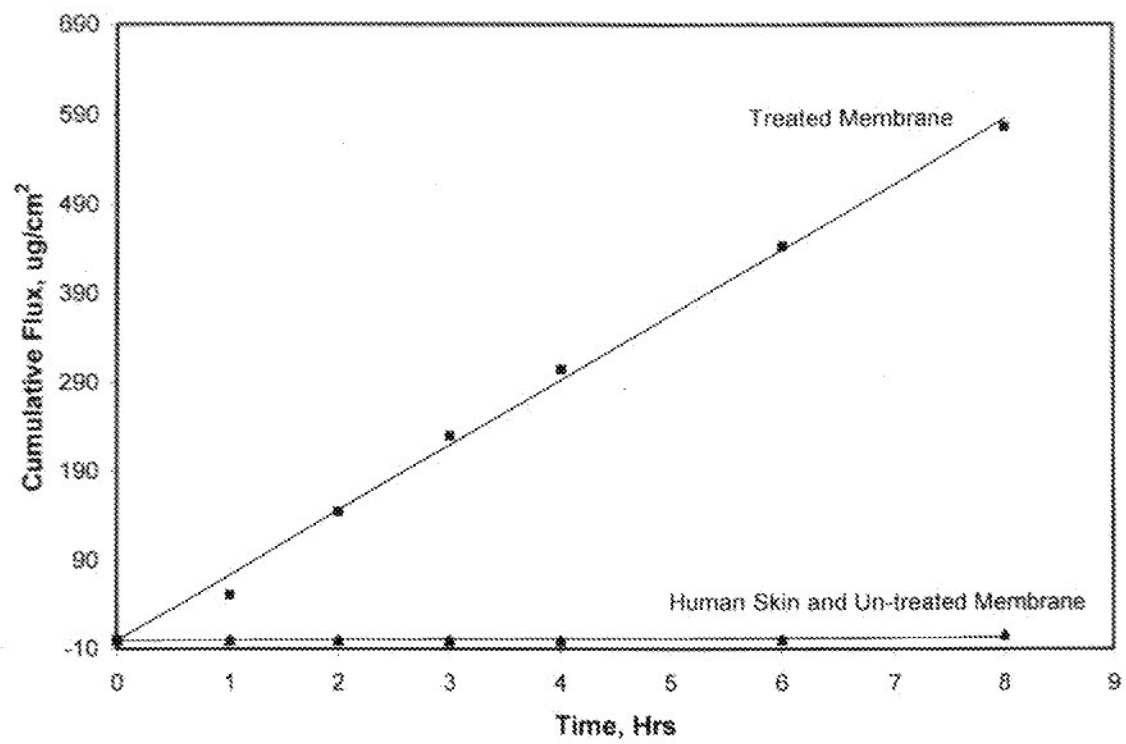


Figure 10

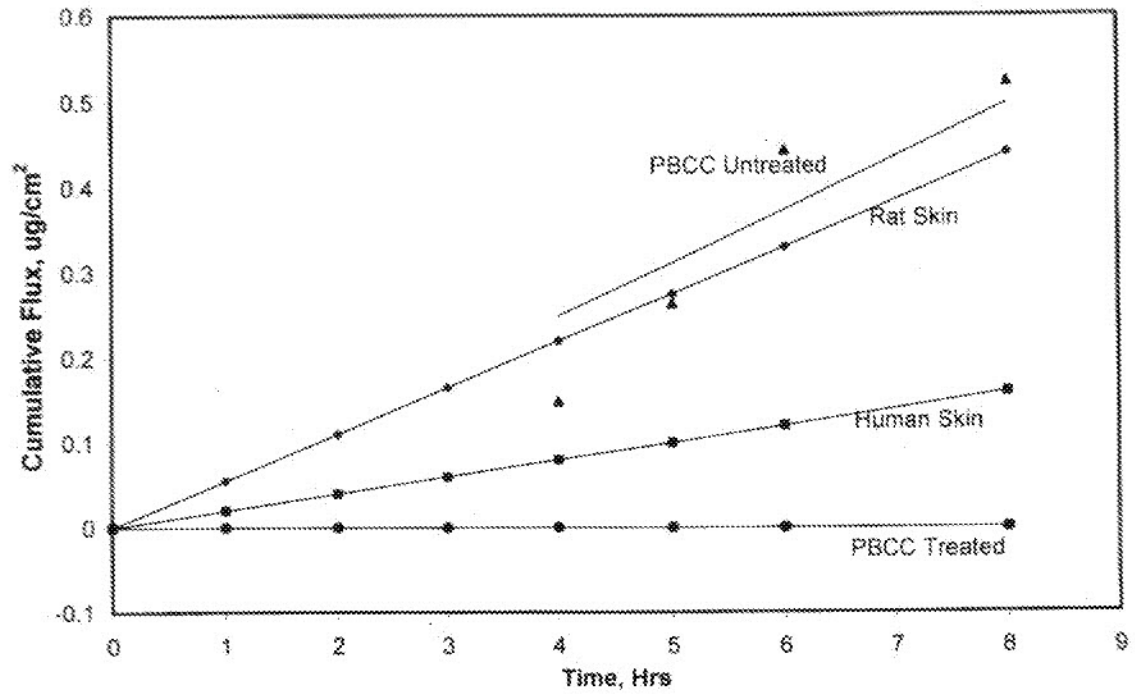


Figure 11

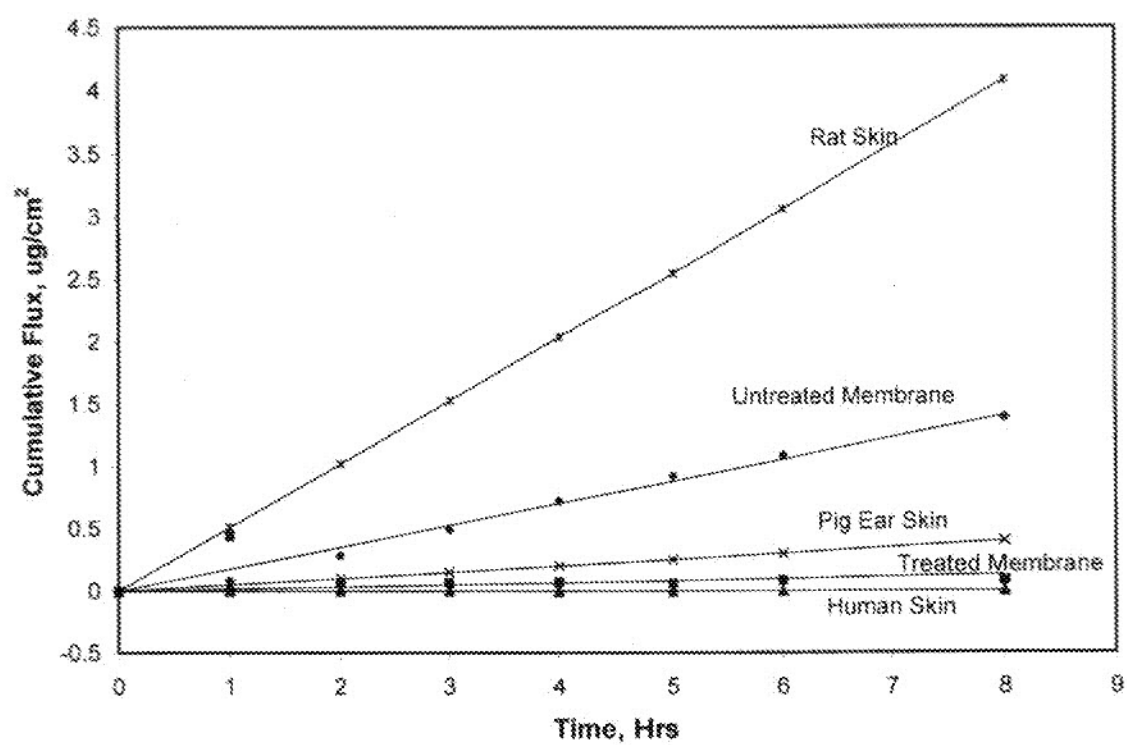


Figure 12

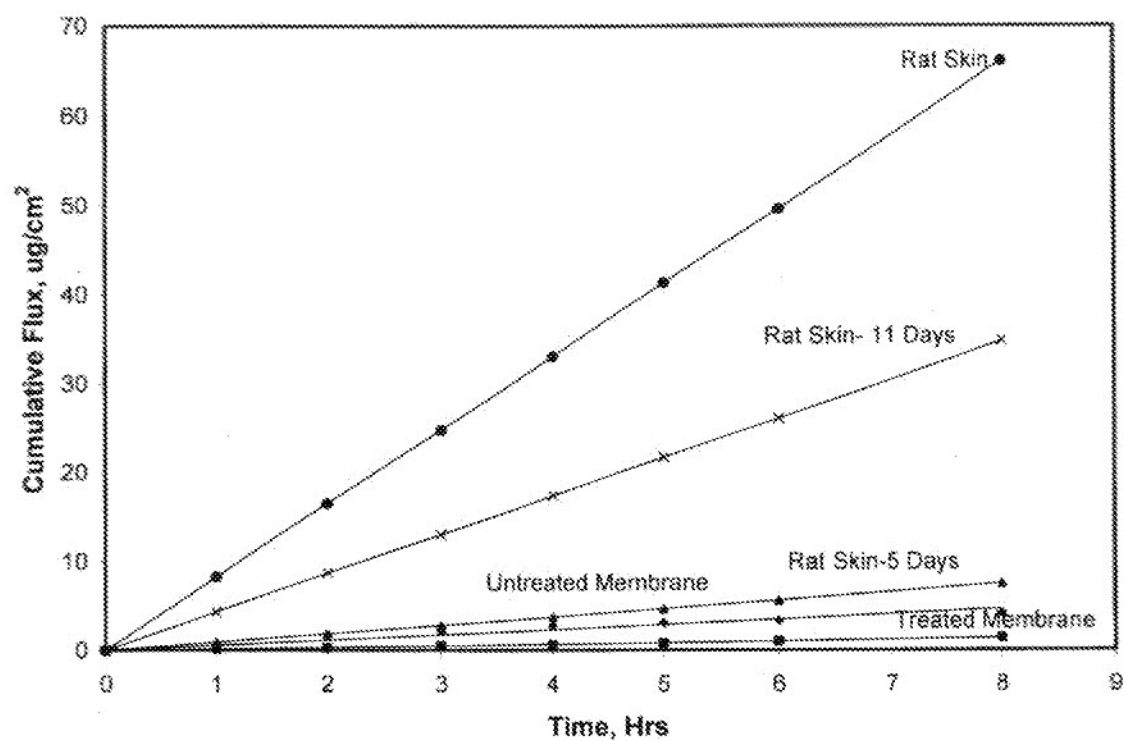


Figure 13

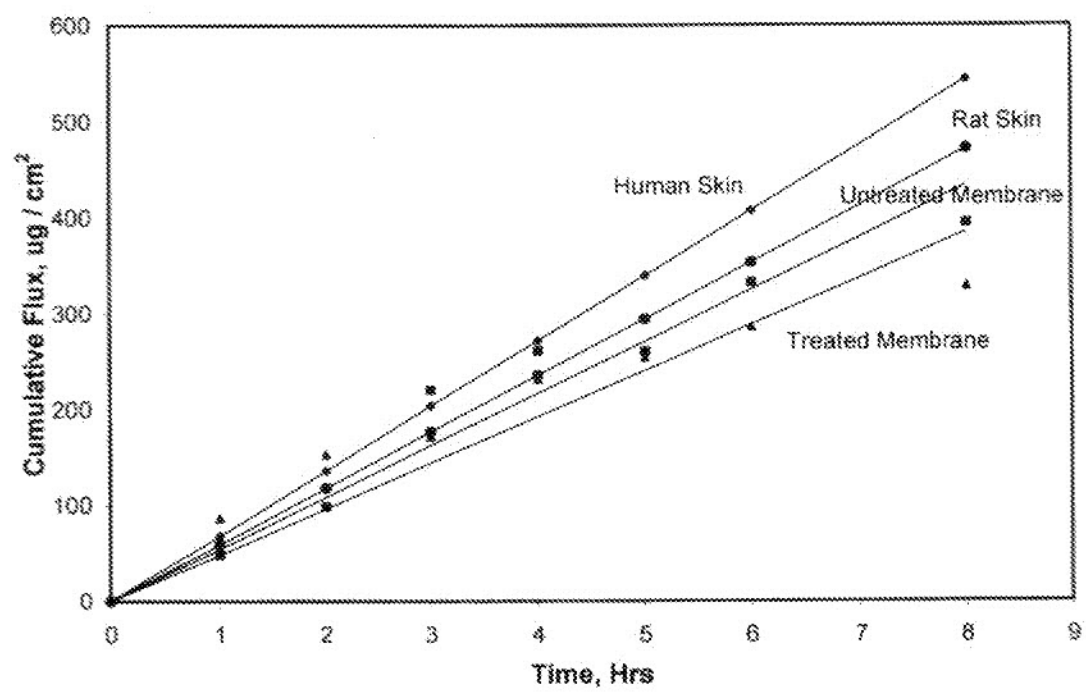
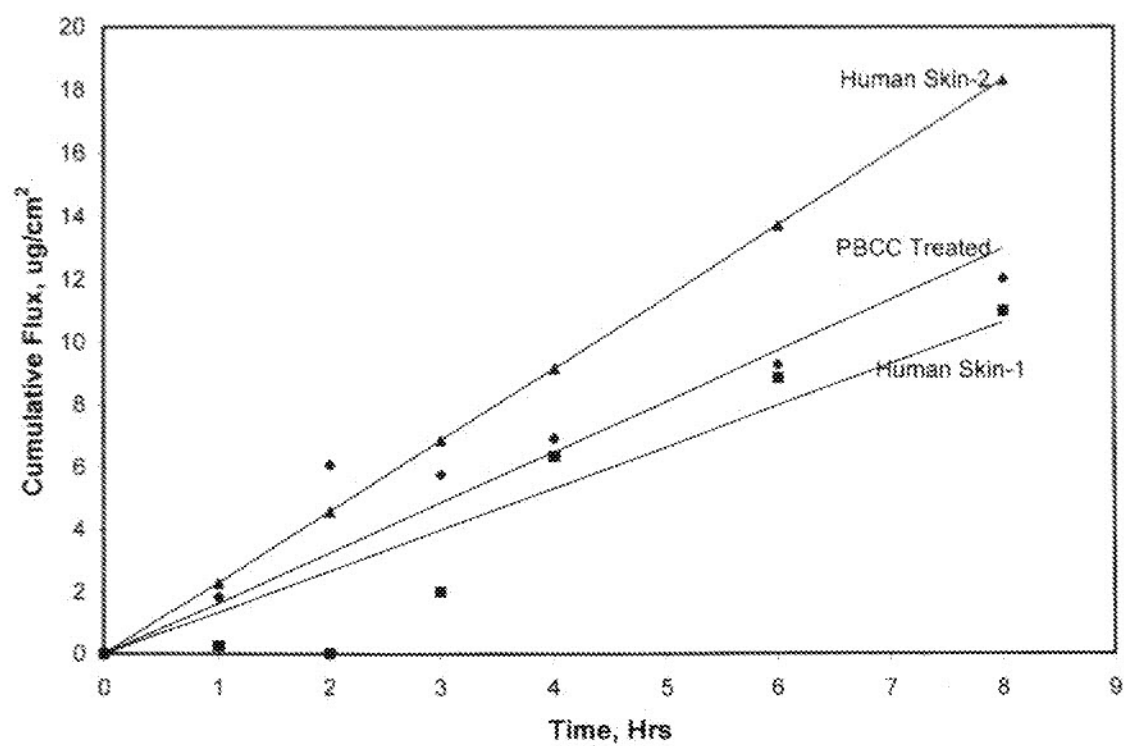


Figure 14



This system is similar to a Franc Cell,

A few key advantages:

- Disposable
- Multi-well possibility
- Minimize the pressure diff across transmemal matrix
- Control diff temps of solutions
- Non disruptive buffer solution access

Fluid volume relationship unchanged during buffer sampling

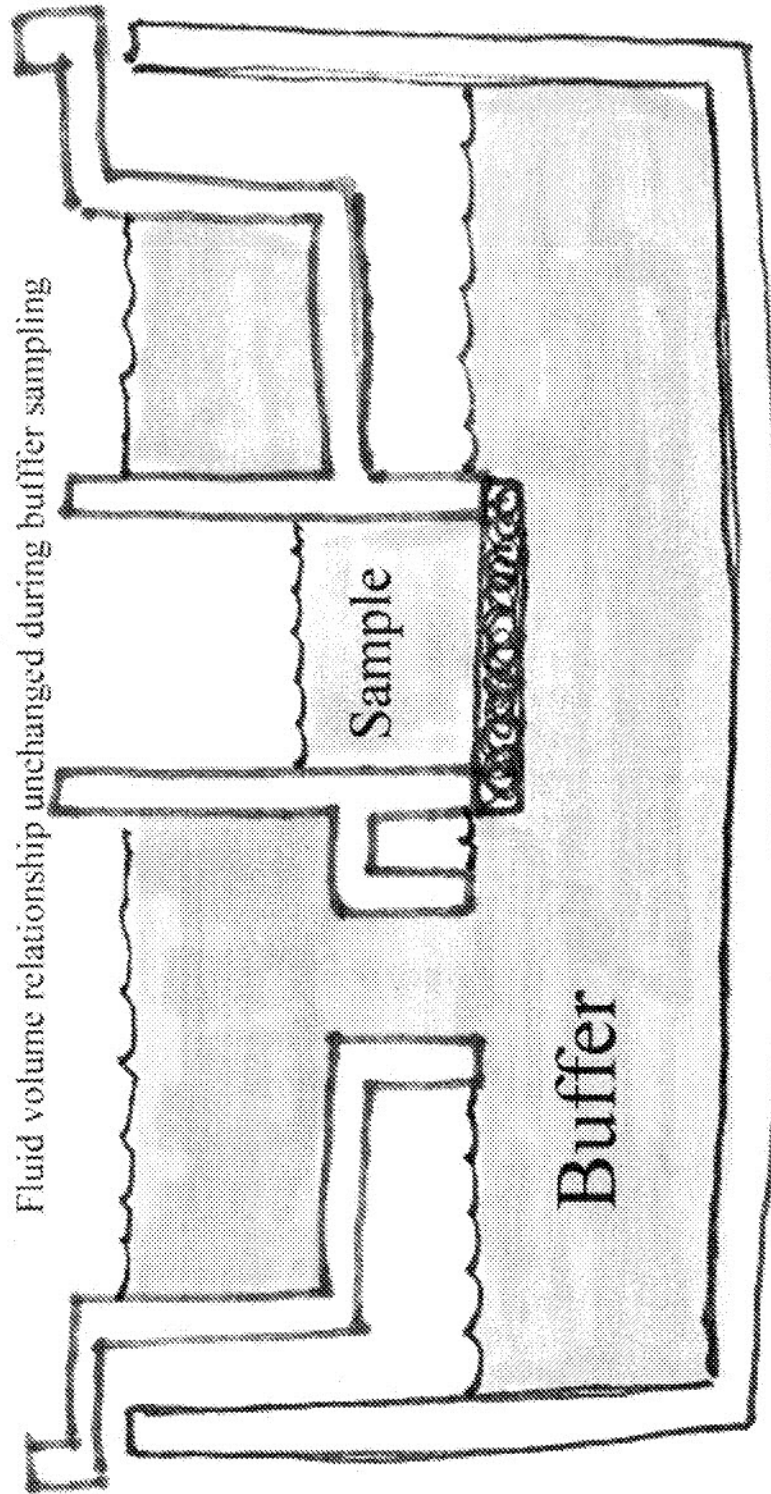


FIG. 15



FIG. 16

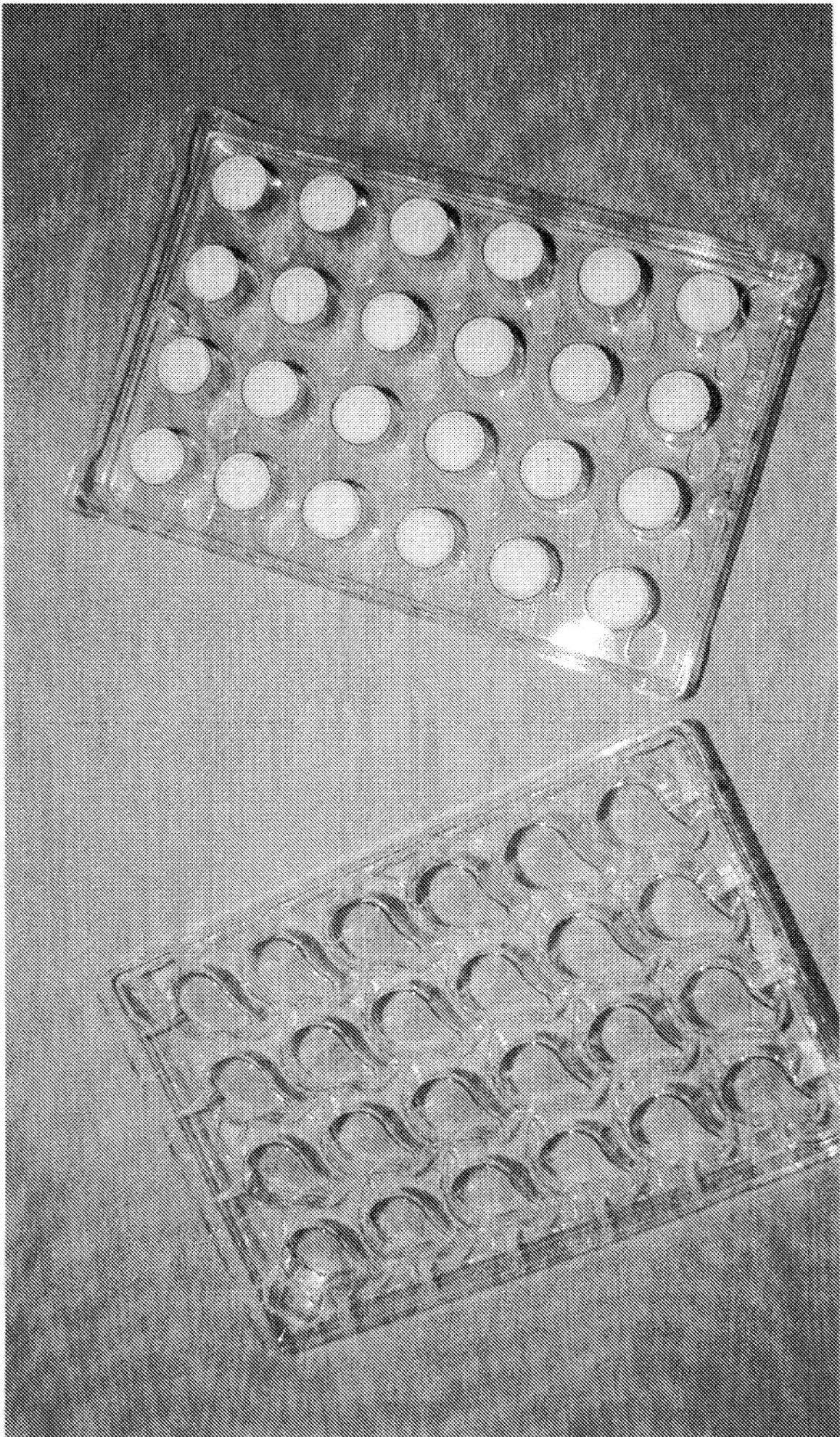


FIG. 17