**APPLICATIONS**

**3-D Cell Culture**
The medium-sized cartridge offers 3,000 cm² of surface area, equivalent to 40 T-75 flasks, but can support up to 2x10⁹ cells.

**Monoclonal Antibody Production**
In the HFBR, hybridomas can yield up to 100 mg of antibody every two days, for months of culture.

**Recombinant Protein Production**
Typical protein harvests from FiberCell Systems' cartridges contain 100 μg/mL/day or higher. Daily harvests are 2 mg to 10 mg a day.

**Exosome Production**
Gram quantities of exosomes can be produced in HFBRs.

**Cell Co-culture**
The PVDF fiber allows various matrix proteins to be bound to its surface.