



Faster mAb Production

Laboratory-scale hollow fibre bioreactor



A FiberCell hollow fibre bioreactor maintains more cells in a smaller space than any other culture method and can quickly produce significant amounts of monoclonal antibodies more conveniently and at lower overall cost than with other methods.

- 15 to 150 milligrams per week (#C2011 20ml cartridge)
- 4x scale up possible (2 x #C5011 on single Duet Pump)
- 50 to 100X concentrated vs. flask or roller
- Inherently serum-free mode of cell culture
- Also ideal for stably transfected CHO and HEK293

A major technical advantage over other laboratory cell culture platforms

A 20ml FiberCell cartridge module is capillarized with 20 kD hollow porous fibres that provide around 3000 cm² of semi-permeable surface for the perfusion of cells by recirculating media. Dynamic exchange of nutrients, gases and waste products with the extra-capillary space enables long-term, high density conditions for optimal mAb productivity.

Harvesting of very concentrated secreted products

Secreted antibodies retained in the extra-capillary space will accumulate to very high concentrations. A single 20ml harvest can be equivalent to 20—40 rollers and several harvests can be collected every week over many weeks or even months.

Easily switch to chemically defined media *Cells lose dependence on serum in a FiberCell bioreactor. This means that a simpler less expensive and more consistent media can be used. [CDM-HD](#) is a chemically defined, protein-free serum replacement for the FiberCell Systems bioreactor.*



CONTACT KDBIO for more information: info@kdbio.com +33 3 88 26 12 86 www.kdbio.com