

Fast and Efficient Production of Monoclonal Antibodies

Harvest highly concentrated antibody from perfused high density hybridoma culture—even over very long periods of operation if required



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

- 5 to 50 milligrams every 2 days (#C2011)
- 4x scale up possible (2 x #C5011)
- Very concentrated in small volume
- Cell passaging not required

What makes this culture system radically different?

A 20ml FiberCell cartridge is capillarized with hollow fibres that provide around 3000 cm² of porous semi-permeable surface for the perfusion of hybridoma or other cell types by recirculating media. Dynamic exchange of nutrients, gases and waste products with the extra-capillary space enables long-term, high density *in vivo*-like culture conditions to ensure optimal mAb productivity.

Harvesting of secreted products

Secreted antibodies are retained in the extra-capillary space and accumulate to high concentrations with very little contamination from debris due to the exceptional vitality of the producer cells in this culture mode. Harvest clean, concentrated product every 2 days over periods of many weeks, if needed.

Serum-free operation

Cells lose their dependence on serum in the above mode of culture. This means that a very simple chemically-defined, surfactant-free media can be used. FiberCell has developed a low cost additive mix for basal media that replaces serum: [CDM-HD](#).



European distributor for
FiberCell Systems Inc.



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

Discover more applications for the FiberCell hollow fibre bioreactor [here](#)