PRODUCT DATASHEET

Hollow Fibre Cell Culture Bioreactor Cartridges

High-density cell culture in hollow fibres





DETAIL – BIOREACTOR CARTRIDGES

OVERVIEW

The Tech Inc. Hollow Fibre Cell Culture Bioreactor Cartridges grow cells at high density on the outside of hollow fibres while fresh media flows through the fibres. Nutrients reach the cells and waste leaves through the membrane, while secreted products stay concentrated in the shell space.

MODELS AND CONFIGURATIONS

- **Small cartridge** – method development.
- **Medium cartridge** – routine production.
- **Large cartridge** – scale-up.

TYPICAL DESIGN DATA

Fibre cut-off	About 5 kDa to 0.1 µm
Surface area	About 0.01 to 2 m^2
Sterilisation	Gamma or autoclave, by model

APPLICATIONS

Antibody and protein production, exosome and vector production, tissue and cell research.

KEY ADVANTAGES

- **High density** – cells on large fibre area
- **Concentrated product** – kept in the shell space
- **Less media** – continuous perfusion

Designed and built by Tech Inc. · **Part of the Davey Group since 1990**

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