

# Need an individual solution?



## Cell Culture Media

- Defined CHO Production Media
- Defined Hybridoma Production Media
- Customized Media
- Animal Component Free Media
- Insect Cell Culture Media
- BSK-H Borrelia Media
- Standard Media



# Cell Culture Media Production Plant Liquid II

BioConcept has expanded its production site for cell culture media through the project Liquid II and with this setting new standards: a State-of-the-Art and automated bottling plant in an ISO-5 dust-free environment and a production site for WFI (Water for Injection) with a 5'000 litre batch-capacity, spread over 1'000 square meters.

The manufacturing part of the company is equipped with designated ACF vessels and manufacturing devices. For water purification and air conditioning we follow the highest standards. The plant is organized to high flexibility. This allows us to be very fast in fulfilling our customers needs. The filling volume can be defined by the customers in a range from 5ml to 5'000 liters. BioConcept constantly improves its equipment and control mechanisms to meet your demands. Whenever you have a special formulation or a modification you will get your Tissue Culture Media from BioConcept.

## Special Media

MAM-PF® and EXPRESS Media for Serum-Free, Protein-Free and Animal Component Free (ACF) Cell Culture

The rapid and exciting expansion of cell biology to produce novel proteins requires a new generation of cell culture media. BioConcepts MAM-PF (Mammalian Artificial Media – Protein Free) and „Express“ line of media are tailor made to satisfy the needs of researchers and producers. These media for the cultivation of CHO, BHK and Hybridoma cells are fully defined with serum-free, protein-free and ACF (Animal Component Free) versions. ACF media are produced according to EMEA/410/01 rev2. – all components are certified animal component free – we hold a Certificate of Origin for every single component.

Modifications of MAM-PF and EXPRESS media (i.e. w/o Glucose, with L-Glutamine, with stable Glutamine (L-Ala-L-Gln) with reduced NaCl-concentration) and/or available batch sizes (liquid/powder) and customized packaging - please inquire at [info@bioconcept.ch](mailto:info@bioconcept.ch)

### SF- Baculo Express Media

Extensive further development and further investigation on the nutritional needs of insect cells, based on the excellent experience of SF-1 resulted in our new improved "Ready to Use" insect medium. Already successfully used in different academic and industrial laboratories, SF-3 and SF-4 show following improvements:

- Protein free: Addition of ultra filtrated protein hydrolysates with an 8 kd cut off reduces downstream purification processes especially for secreted recombinant proteins
- Cell density: densities up to  $2 \times 10^7$  cells/ml could be achieved using SF-3 in bioreactors and spinner flasks
- Versatility: not only suitable for SF9 and SF21 but also High Five and *Drosophila* cells
- Adaptation: Only few passages needed if you switch from your current serum supplemented medium (e.g. TC100 or Grace's). Direct switch from your current serum (but not protein free) medium possible for some of the commercial available media
- Protein yield: Results indicate an increased protein yield (1.5 - 2.7 x) in recombinant protein production compared to previous used media

## Customized Media

Due to our flexibility we are focused on the manufacturing of customer designed specialties as:

- simple modifications of standard products
- new products according to customers recipes
- outsourcing
- variable batch sizes starting from minimal batch size 5 l up to 5'000 l (liquid) and 2kg up to 800 kg powder
- variable sizes (5 ml to 5'000 l) and variable types of the containers (glass, PET, bags, as well as customer specified)
- sterilization through sterile filtration (0.22 µm) or hot air/ vapour sterilization
- customer made products can be delivered within eight weeks after the order has been placed - including QC

### Powder Media

In 2009 BioConcept opened its new powder plant. With this expansion we ten folded the powder manufacturing capacity. Now we can produce up to approximately 800 kg/batch. This helps our customers around the world to run large volume bioreactors. Of course we did not compromise to go again to highest standards. Meeting regulatory needs and a high grade of flexibility for our customers stands for our innovative services today and in the future.