

Customized media

Biochrom AG offers a GMP-compliant manufacture of media for the production according to your formula.

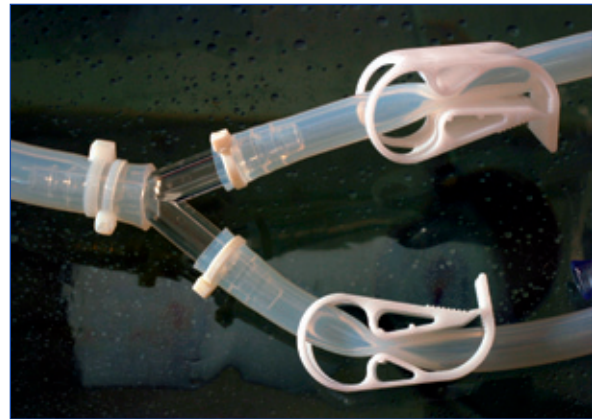
It's a pleasure for us to consult you in manufacture, documentation, delivery, and logistic services, and to respond to your corresponding query. The following information is important for us for a quick reply regarding the requested product.

- requested purity degree/specification
- requirements for the raw material/origin
- required total quantity
- specifications for the filling and packaging

Attached you will find a form that you can fill in for this purpose. This form is also available on the internet: <http://www.biochrom.de/en/products/industrial-cell-culture/special-requirements/>

Primary packing material

Biochrom AG offers the advantage of large volume, single-batch capacity for sterile bioprocessing liquids. This bulk liquid delivery system has been specifically developed for large scale applications. Biochrom AG works with selected vendors for bioprocessing bags, connectors, tubes, and other components. Vendors are chosen because of their quality assurance systems, the strict requirements of the biopharmaceutical industry for primary packing materials, and also based on Biochrom's in-house testing for extractables



The tubing used in the bulk liquid supply bags is either platinum-cured silicon, or C-Flex®. These types of tubing have great chemical compatibility, flexibility and contain no harmful extractables. The connectors are made of either polycarbonate, polysulfone or polypropylene. These resins were chosen for their durability, chemical compatibility and irradiation tolerance. Additionally, polycarbonate and polysulfone are capable of withstanding autoclaving procedures. The use of chemical solvents is avoided because of their potential incompatibility with cells and cell culture media. All tubing is connected to the bag ports or connectors via clamps.

Biochrom AG offers a variety of bag sizes for bulk liquid use. The bags can be custom designed to meet your specific

needs. In-stock bags are available in 1, 3, 5, 10, 20 or 50 litres volume, but also in 100, 200, 500 and 1000 litre size for high volume throughput applications. On request, 150 ml to 3 l bags are provided with Luer or MPC connection. All standard charge sizes from 5 to 50 l are only available with MPC connection. Charge sizes over 50 l are equipped with MPX connections. In case a particular tube configuration is required, please inform us by phone. These bags will be assembled with the same attention to detail and accuracy as the standard bulk liquid delivery system. To support you in designing your bags, your Biochrom AG representative will assist you in finding the best solution.