Your One-Stop-Shop for Microbial Production



BIOVIAN

Contract Development and Manufacturing of Biopharmaceuticals **BIOVIAN** is a One-Stop-Shop CDMO for bacterial and yeastbased production of Drug Substances and Drug Products. Our services include GMP production of first-in-class biopharmaceuticals such as recombinant proteins and plasmid DNA. Manufacturing and purification options cover both secreted and intracellular products.

"My experience with Biovian is based on a long-term project development and several technical and GMP batches. was on time and within budget over a period of 5-6 years

EXAMPLES OF CAPABILITIES IN MICROBIAL PRODUCTION

Recombinant proteins and protein complexes **GMP** Plasmid DNA Vaccines

ONE-STOP-SHOP SERVICES FOR MICROBIAL PRODUCTION



Master Cell Banks and Working Cell Banks



UPSTREAM PROCESSES Stirred tank bioreactors - up to 200 L Fermentation of aerobic and anaerobic bacteria and yeasts Tangential flow filtration or continuous centrifugation for harvest clarification Cell homogenization

DOWNSTREAM PROCESSES Refolding Chromatographic purification Membrane purification Tangential Flow Filtration



ASEPTIC FILL AND FINISH Formulation and final Drug Product manufacturing Automated aseptic filling lines with RABS Filling of vials - 2R and 10R Up to 10 000 vials per batch Labelling



QUALITY ASSURANCE AND QUALITY CONTROL Product specific assays Impurity analysis

Cell based assays Microbiological QC and safety assays (sterility, bioburden, endotoxin etc.) QP certification and full GMP documentation

FINISHED PRODUCT, READY FOR CLINICAL TRIALS

CDMO EXPERIENCE SINCE 2003

Biovian has developed microbial production processes since 2003 and manufactured GMP batches for clinical studies. The microbial GMP-manufacturing unit of Biovian is equipped with state-of-the-art fermenters, harvesting equipment and a choice of downstream purification capabilities.



ANALYTICAL SERVICES

Analytical testing and analytical method development are a central part of Biovian expert services. Quality control tests, such as tests for sterility, bioburden and endotoxin, are routinely performed in-house. Product specific QC tests are developed and validated, as Biovian has a team with profound knowledge of pharmaceutical method development and validation.

EXAMPLES OF SPECIFICATION ANALYSES

Appearance рΗ Osmolality Identity, Concentration, Potency, Purity Sterility Visible and subvisible particles Residual reagents

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PREMIUM
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ONE-STOP-SHOP

QA DOCUMENTATION PACKAGE

THE DOCUMENTATION PACKAGES FOR MICROBIAL PROJECTS INCLUDE E.G. THE FOLLOWING

TSE/BSE certificate Certificate of Analysis (CoA) Batch certificate Certificate of GMP compliance GMP production summary report

CMC DOCUMENTATION IND/IMPD CMC documentation support



From gene to finished vial – from the laboratory bench to the clinic

EXPLORE OUR MICROBIAL PRODUCTION SERVICES



FOLLOW US ON







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