

INJECTABLE DOSAGE FORMS DEVELOPMENT

The characteristics of today's drug discovery compounds require special formulation approaches. BSP's Injectable Dosage Forms Development team works on both conventional and innovative liquid injectable forms, including ADCs (Antibody Drug Conjugates), lipid based formulations such as micelles, microemulsion and liposomes. We offer the customized development of process solutions to specific processes including organic solvent evaporation, particle size reduction and disperse system stabilization, buffer exchange and protein pharmaceutical concentration.

We can also fulfil all your ancillary studies needs such as sterilizing filtration studies and process design to deliver a cGMP process.

FREEZE DRYING SERVICES:

For all the above mentioned dosage forms we offer lyophilization cycle development, optimization, scale up and robustness testing, starting from thermal characterization by means of DSC Pyris Diamond and cryomicroscopy by means of Olympus BX51 research microscope equipped with a Linkam Freeze drying table.

Studies are continued on our 0.2 sqm (2.0 sqf) Virtis Genesis 25EL, equipped with a special in-process sampling device and a custom made software for the collection of the cycle data. We can handle freeze drying from organic solvent solutions.