

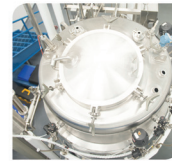
Your drug development partner

PORTFOLIO



CHEMICAL ENTITIES

	PRECLINICAL	CLINICAL PHASES I & II	CLINICAL PHASE III, COMMERCIAL & LIFE CYCLE MANAGEMENT
DRUG SUBSTANCE	<ul style="list-style-type: none"> Analytical method development Stability studies 	<ul style="list-style-type: none"> Release testing Analytical method development Analytical method qualification / validation Stability studies and quality control 	<ul style="list-style-type: none"> Release testing Analytical method update Analytical method validation Stability studies
DRUG PRODUCT	<ul style="list-style-type: none"> Preformulation / formulation screening Formulation development and manufacturing Analytical method development Stability studies GLP analysis of non clinical formulations 	<ul style="list-style-type: none"> Formulation and process development Process confirmation run, production of reference material Clinical trial manufacturing Analytical method development Analytical method qualification / validation QC testing and batch release Stability studies 	<ul style="list-style-type: none"> Commercial manufacturing (small commercial batches and orphan drugs) Process validation Release testing Analytical method update Analytical method validation Stability studies Life cycle management of mature products and analytical methods
OTHER SERVICES	<ul style="list-style-type: none"> Pharmacology (Proof of concept) Pharmacokinetics Bioanalysis for toxicology studies 	<ul style="list-style-type: none"> ADME studies Clinical PK: development, validation and assay of samples Quality Control of raw materials Clinical packaging & logistics 	<ul style="list-style-type: none"> Quality control of raw materials and drug products Clinical PK: development, validation of bioanalytical method & assay of samples Clinical packaging and logistics



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BIOLOGICAL ENTITIES

	PRECLINICAL	CLINICAL PHASES I & II	CLINICAL PHASE III & COMMERCIAL
DRUG SUBSTANCE	<ul style="list-style-type: none"> • Microbial strains and cell lines • Upstream and downstream process development • Analytical method development • Manufacturing • Stability studies 	<ul style="list-style-type: none"> • Bioprocess development • Process confirmation run, production of reference material • Analytical method development • Analytical method qualification / validation • Clinical trial manufacturing • Stability studies 	<ul style="list-style-type: none"> • Process upscaling and validation • Analytical method update • Analytical method validation • Manufacturing of commercial batches • Stability studies
DRUG PRODUCT	<ul style="list-style-type: none"> • Preformulation / formulation screening • Formulation development and manufacturing • Analytical method development • Stability studies 	<ul style="list-style-type: none"> • Formulation and process development • Process confirmation run, production of reference material • Clinical trial manufacturing • Analytical method development • Analytical method qualification / validation • QC testing and batch release • Stability studies 	<ul style="list-style-type: none"> • Process upscaling and validation • Analytical method update • Analytical method validation • Commercial manufacturing • Stability studies
OTHER SERVICES	<ul style="list-style-type: none"> • Pharmacokinetics • Bioanalysis for toxicology studies • Quality Control testing of raw materials • Transfer • Consultancy 	<ul style="list-style-type: none"> • ADME studies • Clinical PK: development, validation and assay of samples • Quality Control testing of raw materials • Process transfer • Clinical packaging and logistics 	<ul style="list-style-type: none"> • Quality control testing of raw materials • Process transfer • Clinical packaging and logistics