



# Discovery Through Approval

At Inotiv, we deliver a comprehensive portfolio of drug discovery services and an integrated range of safety assessment, analytical support, DMPK, and consulting solutions essential to your success. We have a multidisciplinary scientific staff with the expertise and technological capabilities to support you throughout the drug development life cycle. From lead selection and optimization to IND programs and beyond, our team takes a true collaborative approach working in partnership with you to find the right path that focuses on your objectives.

	Discovery		Preclinical Development	Clinical Development		
	Lead Selection	Optimization		I	II	III
Computational Tox/ Toxicogenomics	In Silico Chemical Structure Evaluation/QSAR, PBPK Modeling, Gene Expression Profiling		IVIVE Modeling, Gene Expression Profiling			
Pharmacology	In Vivo Efficacy Models, Rodent Telemetry		Targeted Proteomics, Disease Biomarkers, PK/PD Modeling			
Drug Metabolism	Metabolic Stability, Metabolic Soft-Spots, Discovery PK Screening, Cell & Molecular Biology		In Vitro DDI (CYP & Transporters), Metabolite ID, PK/TK Analysis	DDI, Circulating Human Metabolites (MIST), PK Modeling		
Safety Pharmacology	Exploratory Screening Using Large & Small Animal CNS, CV, Respiratory		Large Animal CV, Large & Small Animal Respiratory, Small Animal CNS			
General Tox	In Vitro Tox, Exploratory Toxicology (MTD/DRF)		IND Enabling Rodent/Non-Rodent	Sub Chronic & Chronic Tox		Carcinogenicity (Including Transgenic Mouse)
Genetic Tox	Screening, Mini Ames & In Vitro Micronucleus		Ames, In Vitro Cytogenetics, In Vivo MN/Comet			
Bioanalysis	Exposure Analysis, Dose Formulation Analysis, Discovery Biotherapeutics & Biomarkers		Regulated Preclinical, Immunogenicity, Biomarkers	Regulated Bioanalysis, Biomarkers		
Histology/Pathology	Target Tissue Assessment, Immunohistochemistry, Digital Imaging, Clinical Pathology		Histology & Pathology, Clinical Pathology			
DART				Fertility & Early Embryonic Development		
				Embryo-Fetal Development		Pre & Postnatal Development
Research Models and Services		General Purpose Models, GEMS Models, Model Support Services				
Teklad Diets		Standard Diets, Custom Diets, Bedding and Enrichment				