

WuXi AppTec Preclinical Services supporting Biologics

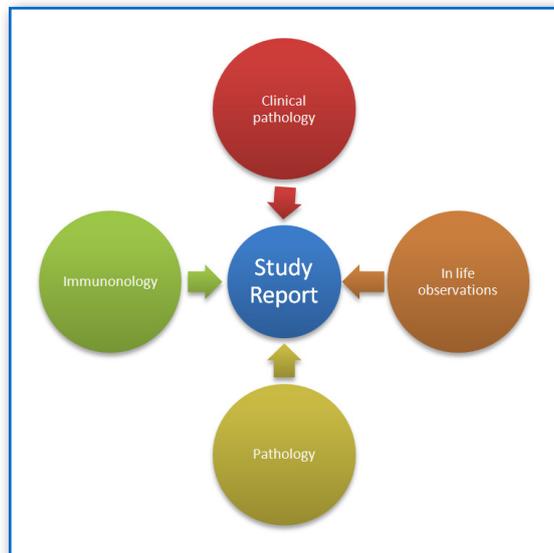
Immunology Services

- TCR/Immunohistochemistry
- Immunochemistry
- Flow Cytometry

Toxicology Services

Our preclinical studies for biologics are customized for each product and designed to generate meaningful results through the performance of a thorough scientific and regulatory-compliant program.

- FDA, OECD, SFDA Good Laboratory Practice (GLP) compliant
- Complete range of studies:
 - PK studies
 - Dose-range finding or MTD studies
 - Single dose (acute toxicity) studies
 - Repeat dose (sub-acute, sub-chronic and chronic) studies



WuXi AppTec's scientific team has experience in assisting our sponsors with program requirements for preclinical development of biologics by helping to design repeat toxicology studies in both rodents and non-human primates based on the product's mechanism of action, and incorporating aspects such as the biologics clinical dosing route and regimen. Study designs may typically be enhanced with pharmacodynamic and immunogenicity analyses, local tolerance evaluation (Draize measurement), and immunomodulating assessment via KLH challenge (TDAR). WuXi AppTec's laboratories are equipped for in-house analyses of biologics and biomarkers. Robust toxicology designs are available for rapid safety assessment of biosimilars, minimizing the time to clinical trials.

Other services available:

- Analytical Chemistry – method development, validation and sample analysis
- Safety Pharmacology – CNS, respiratory and cardiovascular, hERG
- Anatomic and Clinical Pathology

Why Choose WuXi AppTec



Fully integrated Services:	<ul style="list-style-type: none"> ✓ Integrated quotation, contract, logistics and invoice process across WuXi to shorten the overall processing time ✓ Fully integrated services within WuXi accelerate timelines
Management/Staff:	<ul style="list-style-type: none"> ✓ Dedicated management with over 150 combined years of experience in the preclinical industry ✓ Multi-disciplinary scientific expertise including western trained staff
Facility:	<ul style="list-style-type: none"> ✓ Full AAALAC accreditation ✓ Only facility in the world to have statement of GLP compliance from OECD member country (Belgium) and GLP certification from China SFDA ✓ Large NHP capacity – quick start lead in time to start NHP studies from date of authorization ✓ Logistics support for import and export of test article/biological samples
Regulatory Filing:	<ul style="list-style-type: none"> ✓ Fully compliant with FDA, OECD and SFDA GLP requirements ✓ Assist clients with study and program design for global filing
Cost Saving:	<ul style="list-style-type: none"> ✓ Potential for up to 50% cost savings over US study costs for biologics programs ✓ Global IND filing capability to enable additional cost saving and shorten drug development timeline
Customer Responsiveness:	<ul style="list-style-type: none"> ✓ Rapid turnaround and flexibility ✓ Focus on communication and on time reporting of study data and report

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