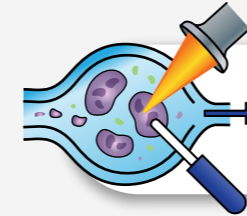


Global Toxicology Solutions: Accelerating the Path to Clinical Trials

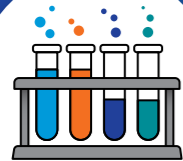
QPS provides a fast and reliable route to Phase I/II clinical trials through GLP-compliant preclinical safety tests, combining global regulatory expertise with advanced methodologies like high-throughput flow cytometry.



Comprehensive Preclinical Services

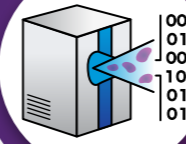


Advanced *In Vivo* Micronucleus Assay



Full-Spectrum Toxicity Testing

Essential studies including General, Reproductive, Genetic, and Biocompatibility testing for IND filing.



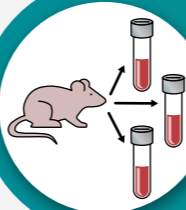
Cells Scored Per Sample **20,000**

High-Throughput Flow Cytometry replaces tedious manual slide reading to complete studies faster.



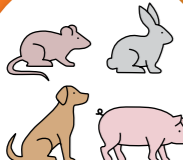
Global Regulatory Compliance

Facilities are GLP-compliant (FDA, OECD), AAALAC accredited, and follow international safety standards.



Peripheral Blood Advantages

Requires lower sample volumes and allows multiple samples per subject, reducing animal usage.



Diverse Test Systems

Specialized housing and study designs for rodents, rabbits, dogs, and mini-pigs.



Gold Standard Reproducibility

Uses calibration standards and validated OECD 474 methods for consistent regulatory acceptance.

Comparison of Micronucleus Assay Methodologies (Advanced vs. Traditional)

MICE (TRADITIONAL)

DETECTION: Fluorescent Microscopy



SAMPLE SIZE: ≥ 300 RET per sample



EVALUATION: Incidences (MN/1000 RET)

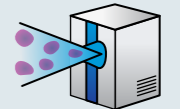


≥ 300

MN/1000

RAT (ADVANCED METHOD)

DETECTION: Flow Cytometry



SAMPLE SIZE: $\geq 4,000$ RET per sample



EVALUATION: Frequency of MN-RET (%)



$\geq 4K$

%