

HISTOLOGY & NECROPSY SERVICES

GLP Compliant • On- Site Team • Expert Histology Support • Travel Services

Histology Lab Support Services

IITRI provides preclinical histology and histopathology support, delivering high quality data and seamless study execution. From on-site necropsy teams to GLP compliant histopathological evaluations, our experts ensure precision, consistency, and scientific rigor across every phase of your study.

NECROPSY SERVICES

Our experienced team of GLP trained prosectors support on-site programs and are also equipped to travel to your facility and perform necropsy procedures aligned with your specific study design.

Capabilities include:

- Traveling necropsy teams trained across all research animal models
- Specialized tissue collection, including inhalation and whole- body or targeted organ perfusion
- Aseptic tissue collection techniques optimized for downstream molecular assays (e.g., PCR)
- Biosafety Level (BSL-2 and BSL-3) capabilities

HISTOPATHOLOGY SERVICES

Our histology laboratory operates under full GLP compliance and supports a broad range of research models and study types, including inhalation toxicology.

Capabilities include:

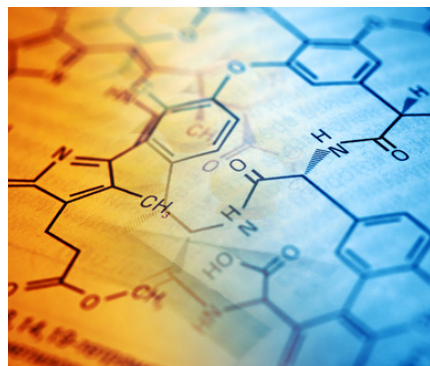
- Expertise across multiple species and complex study designs
- Standard H&E staining plus a wide selection of special stains and advanced histological techniques
- Oversized tissue processing and paraffin embedding for large samples
- Non-GLP and GLP study conduct

THE IITRI ADVANTAGE

- We provide a highly experienced team of GLP trained prosectors for each study with long tenures working with IITRI programs
- Our hands-on team members are easily accessible and work closely with you, keeping you personally connected to your study.
- We offer integrated necropsy and histology support, as well the ability to travel to Sponsor facilities for external studies



Core Services



ANALYTICAL/ BIOANALYTICAL

Our team of analytical scientists has extensive experience in the development, transfer and optimization of bioanalytical methods from your laboratory to ours.

- Dose formulation analysis
- Method development, method validation
- Quantitation in complex tissues
- Toxicokinetic analysis and modeling
- Immunogenicity testing (ADA, neutralization assays)
- Assessment of biomarkers
- Cell-mediated immune response assays
- Clinical Trial Support

TOXICOLOGY

We have one of the most experienced toxicology teams in the industry with each technician having over 10 years experience in preclinical toxicology.

- Repeat-dose toxicology studies
 - All relevant routes of administration including inhalation
 - Rodents, non-rodents (canine, mini-pig), non-human primates
- Immunotoxicology
- Clinical pathology
- Histopathology

SAFETY PHARMACOLOGY

We offer the core battery of safety pharmacology tests. These can be performed as stand-alone studies or integrated into repeat-dose studies.

- Central nervous system
 - FOB
 - Expanded neurotoxicity
- Cardiovascular
 - Telemetry
 - hERG assay
- Respiratory
 - Plethysmography

GENETIC TOXICOLOGY

Flexible programs are available to meet your specific needs, from complete GLP test battery to non-GLP assays and individual test options.

- Ames assay
- Structural chromosomal aberration assay
- Rat micronucleus assay
- Mouse micronucleus assay
- Mouse lymphoma assay

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