

# PhenoFirst<sup>SM</sup> Phenotyping Panel

Charles River Laboratories Transgenic Services provides a variety of therapeutic phenotyping panels. Our PhenoFirst<sup>SM</sup> Panel is the first thorough look at a rat or mouse model and includes:

## In Vivo Evaluation

- Clinical and primary behavioral observations which provide a broad general assessment of multiple systems

## Basic Pathology

- Gross external examination and body weight
- Gross internal examination evaluating major organs and all tissues for abnormalities
- External gross photographs: left lateral recumbancy and ventral view of organs *in situ*
- Tissues collected: heart, lungs, liver, kidneys, spleen, brain, thymus, stomach, duodenum, pancreas, jejunum, ileum, cecum, colon, reproductive tract, urinary bladder, target organs, and gross abnormalities
- H&E stained slides examined by board-certified veterinary pathologists

## Basic Clinical Pathology

- CBC including differential and platelet count
- Standard clinical chemistry profile: albumin, alkaline phosphatase, ALT, AST, total bilirubin, BUN, calcium, chloride, cholesterol, creatinine, glucose, GGT, globulin (calc), A/G ratio (calc), phosphorous, potassium, total protein, triglycerides, and sodium
- Urinalysis – dipstick: glucose, bilirubin, ketones, protein, nitrites, leukocytes, pH, urobilinogen, blood, and specific gravity

## Available Panels

Please click here to view a complete list of available panels.

The minimum recommended sample size for the PhenoFirst<sup>SM</sup> Panel is three homozygous or knockout mice and three wild type controls that are age, sex, health status, and genetic background matched.

**For more information, please call 1.877.CRIVER.1 or e-mail [askcrl@crl.com](mailto:askcrl@crl.com).**