



Preclinical Research Platforms & Imaging Capabilities

For more than 30 years, Noble Life Sciences has supported drug development through advanced analytical technologies, molecular platforms, and imaging capabilities. Our technologies help generate high-quality data across oncology, immunology, infectious disease, and cell and gene therapy studies.

qPCR — QuantStudio 6 Flex

High-throughput real-time PCR for sensitive nucleic acid quantification across gene expression, pathogens, and biomarker studies.

- Gene & miRNA expression
- Pathogen detection & viral load
- Biodistribution
- SNP Genotyping & copy number
- Biomarker validation

CRO Service Fit

Biomarker Validation • Infectious Disease • Biodistribution

dPCR — QIAcuity Four

Partition-based digital PCR for absolute quantification of low-abundance targets and genetic variation.

- Gene & miRNA expression
- Rare mutation detection
- Copy number & vector copy
- Biodistribution/CGT assays
- Pathogen & environmental testing

CRO Service Fit

Low-copy Targets • Vector Copy Number • Rare Variants

Flow Cytometer - MACSQuant 10

Multiparameter single-cell analysis for immunology, oncology, and cell/gene therapy studies.

- Immune phenotyping: T/B/NK/myeloid
- Viability, apoptosis & cell cycle
- Activation/checkpoint markers
- PD biomarkers & receptor occupancy

CRO Service Fit

Immunophenotyping • PD Biomarkers • Cytotoxicity

IVIS Lumina Imaging System

Non-invasive bioluminescence/fluorescence imaging for longitudinal disease and therapy-response tracking.

- Tumor burden & metastasis
- Infection/inflammation models
- Biodistribution & target engagement
- Quantitative signal analysis

CRO Service Fit

In Vivo Efficacy • Tumor/Infection Tracking • Response

DEXA InAlyzer2

Live-animal bone & body-composition imaging supporting longitudinal efficacy and safety endpoints.

- Bone density & morphology
- Lean/fat/whole-body composition
- Metabolic/cachexia endpoints
- Anesthesia access + monitoring

CRO Service Fit

Body Composition • Bone Safety • Longitudinal Endpoints

Expert Team & Compliance

Preclinical research support from experienced scientific and veterinary teams in a 24,000 sq ft facility.

- Board-certified veterinarians
- PhD and Masters-level scientists
- AALAS-certified technicians and technologists
- Scientists with seasoned GLP experience

