

Below is a partial list of assays performed at MD Biosciences. Multiplex panels require less than 100 microliters of sample. Fecal and urine sample volumes would be assay-dependent. Please contact MD Biosciences with your specific project or simply to discuss potential approaches to reaching your goals.

Canine Panels

Kidney Toxicity Panel 1

Clusterin, Cystatin C, TIM-1, IL-8, Lipocalin-2, MCP-1, Osteopontin (OPN)

Kidney Toxicity Panel 2

Albumin, β -2-microglobulin (B2M), Trefoil Factor 3 (TFF-3), Retinol Binding Protein 4 (RBP4)

Steroid/Thyroid Hormone Panel

Cortisol, Estradiol, Progesterone, Triiodothyronine, Thyroxine

Pituitary Panel:

ACTH, BDNF, FSH, GH, LH, Prolactin, TSH

Gut Hormone / Satiety Panel

Amylin (Total), GIP (total), Ghrelin (active), GLP-1 (active), Glucagon, Insulin, Leptin, Pancreatic Polypeptide (PP), PYY (total)

Inflammatory Markers

GM-CSF, IFN- γ , IL-10, IL-15, IL-18, IL-2, IL-6, IL-7, IL-8, IP-10, KC-like, MCP-1, TNF- α

Feline Panels

Gut Hormone / Satiety Panels

Amylin (Active), GIP (total), GLP-1 (active), Ghrelin (active), Glucagon, Insulin, Leptin, Pancreatic Polypeptide, PYY (total)

Inflammatory Markers

sFas, FLt3 ligand, GM-CSF, IFN- γ , IL-1 β , IL-2, IL-4, IL-6, IL-8, IL-12 p40, IL-13, IL-18, GRO α , MIP-3 α , PDGF-BB, RANTES, SCF, SDF-1, TNF- α

Porcine Panels

GM-CSF, IL-10, IL-12, IL-18, IL-1 α , IL-1 β , IL-2, IL-4, IL-6, IL-8

Cell-based Assays

Evaluation of compound-induced activity

Joint Health (Rheumatoid and Osteoarthritis) Markers

Canine, feline, porcine

DNA, mRNA and microRNA screening

All species