

MD Biosciences, Inc. provides valuable biological analysis and developmental research to support the veterinary, farm and companion animal markets. With nearly 15 years of field experience, MD Biosciences has the necessary expertise to design cost-effective strategies to help develop superior products and to differentiate your product from the competition. Analysis is performed in purpose-designed, CLIA accredited GLP laboratories, using state-of-the-art equipment and methodologies by our highly experienced scientists. Our expertise can help improve the quality and benefits of your products and the wellbeing of our companion and farm animals.

Case Study 1

The premise:

An innovative companion animal nutrition company evaluated different options for differentiation of their products. The products were designed with the concept of providing benefits for specific therapeutic conditions such as arthritis, gastro-intestinal conditions, kidney dysfunction or other conditions. The manufacturer worked with MD Biosciences to design test panels and to generate data from clinical samples in support of therapeutic claims.

The solution:

Blood, urine and fecal samples were collected from animals in small clinical studies. These samples were sent directly from collection centers to MD Biosciences central laboratories. Samples were immediately identified and archived in MD Biosciences laboratory information management system and subsequently evaluated in multiplexed protein panels relevant to the conditions of interest. The effect of different nutritional compositions was therefore quantified and found to be supportive for therapeutic claims.

The result:

Provided data helped the manufacturer identify the most beneficial formulations for each particular disease of interest. The data was published and presented at conferences, as well as used to support sales and use of the products at the veterinary level.

Case Study 2

The premise:

A manufacturer of companion animal nutritional products contacted MD Biosciences for suggestions on how an ingredient may be tested for its anti-inflammatory effects. The data would assist in supporting the addition of the ingredient to selected feed and the development of an enhanced product.

The solution:

MD Biosciences designed a short cell-based assay in which the ingredient was added to cells induced into inflammatory conditions. The inflammatory status of the cells was evaluated in the presence and absence of the ingredient. The results were made available to the manufacturer within 15 days of study start.

The result:

The manufacturer was able to place the new data in product dossiers submitted in filings as well as for future marketing and sales purposes.