



Eurofins Technologies Testing Solutions for the Petfood Industry

Food Safety Challenges in the Petfood Industry

Pet food safety is essential not only for the health of pets but also for the owners who interact with them and with their meals. Contaminants such as pathogens, drug residues in raw materials, or unapproved ingredients may sicken the animals and threaten the humans taking care of their pets.

The Federal Food, Drug, and Cosmetic Act (FFDCA) requires that all animal foods, like human foods, be safe to eat, produced under sanitary conditions, contain no harmful substances, and be truthfully labeled. In addition, canned pet foods must be processed in conformance with the low acid canned food regulations to ensure the pet food is free of viable microorganisms.

Diagnostic test kits for the petfood industry

Eurofins Technologies is a fast-growing provider of diagnostic technologies in the fields of food, feed and environmental testing, and animal health. The choice of testing methods include ELISA kits, lateral flow tests and real-time PCR kits.

We offer a broad range of product test kits to ensure pet food safety in the fields of:

- Foodborne pathogen detection;
- Drug residues screening.



Eurofins Technologies Test Kits for the Petfood Industry



Microbiology

Pet food, not only in raw form but even canned and dry ones, can be contaminated by foodborne pathogens and can cause severe infections. The fast and accurate detection in raw materials and finished products is crucial to protect owners and pets and to minimize risk and costs for the industry.

The **BACGene *Salmonella* spp.** real-time PCR kit was validated as an alternative method for the detection of *Salmonella* spp. according to EN ISO 16140. The reference method corresponds to the ISO 6579 standard. Amongst others, an **extension of the scope was performed for feed, including pet food, in sample sizes of 25 g as well as pet food in up to 375 g.**

The BACGene real-time PCR kits offer next day-results and, due to their flexible design, are equally useful for the testing of low and high sample volumes. The kits are certified by AFNOR and by AOAC as Proficiency Tested™ Methods. All real-time PCR kits come with an evaluation software for easy evaluation and documentation of results.



Article no.	Kit
5123221801	BACGene <i>Salmonella</i> spp. for 96 lysis and real-time PCR reactions
5123221810	BACGene <i>Salmonella</i> spp. 10xHTP for 10x96 lysis and real-time PCR reactions

Drug residue screening in meat

Ingredients of animal origin are the most abundant in petfood. According to the Association of American Feed Control Officials (AAFCO), dog food “meat” consists primarily of muscle tissue from cows, pigs, sheep or goats.

Due to the widespread use of veterinary drugs in livestock, the muscle tissue can include residues of substances as antibiotics, antiparasitics, nonsteroidal anti-inflammatory drugs, growth promoters as steroid hormones and betaagonists, and many others.

Eurofins Technologies provides rapid and reliable analytical tools for the analysis of the following substances in cooked and raw meat, egg, milk, honey, fish, crustaceans, and molluscs:

- Antimicrobials
- Beta-agonists
- Corticosteroids
- Estrogens and steroids

The drug residue screening kits are using the competitive enzyme immunoassay method and can detect even low levels of drug residues.

Order our kits online! www.eurofins-technologies.com