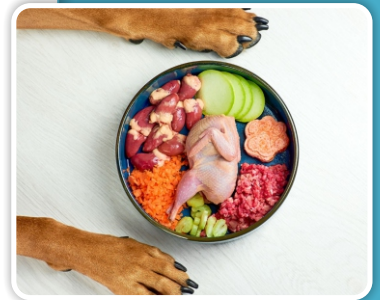


NEW ANIMAL FOOD INGREDIENT REVIEW PROCESS IS APPROVED BY AAFCO

The Association of American Feed Control Officials (AAFCO) has partnered with Kansas State University to implement a new regulatory review process for animal food ingredient submissions. This replaces the previous "Ingredient Definition Request" procedure, which ended after the expiration of an MOU with the FDA.

The new process involves a scientific review panel composed of experts from universities and independent consultants. This panel will evaluate ingredient submissions and make recommendations for approval to AAFCO members. Approved ingredients will be published in AAFCO's Official Publication, recognized globally by regulators and the animal food industry.

This new pathway aims to streamline the regulatory process, ensuring safety and efficiency while fostering innovation in the animal feed industry. It complements the FDA's GRAS (Generally Recognized as Safe) program and provides a clear and comprehensive framework to prevent redundant submissions.



NEW GENERIC TRIMEPRAZINE WITH PREDNISOLONE TABLETS

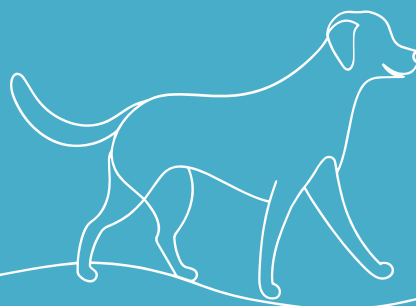
FDA has approved a generic equivalent of Temaril-P. This is the first generic trimeprazine with prednisolone tablet for dogs, offering antihistamine and corticosteroid benefits.

It is prescribed for itch relief, cough conditions like kennel cough and bronchitis, and inflammation from skin disorders such as dermatitis and otitis.

The drug contains 5 mg trimeprazine tartrate and 2 mg prednisolone per tablet.

- For dogs up to 5 kg: ½ tablet twice daily
- For dogs weighing 5 – 9 kg: 1 tablet twice daily
- For dogs weighing 10–18 kg: 2 tablets twice daily
- For dogs over 18 kg: 3 tablets twice daily

Caution is advised for animals with Cushing syndrome or during pregnancy.



URINE ALBUMIN-TO-CREATININE RATIO (UAC) FOR EARLY CKD DETECTION IN DOGS³

The urine albumin-to-creatinine ratio (UAC) is emerging as a crucial biomarker for the early detection of chronic kidney disease (CKD) in dogs, particularly in its initial stages when traditional markers like serum creatinine remain within normal ranges. Early diagnosis is vital for managing CKD and improving affected dogs' quality of life, as the disease can lead to severe complications such as anemia, uremic gastroenteritis, and renal secondary hyperparathyroidism.

A recent study evaluating 221 dogs—99 healthy and 122 with CKD—found that UAC levels were significantly higher in CKD-affected dogs, even in early stages. Researchers identified a diagnostic “grey zone” (UAC 19.20–64.20 mg/g), which helps detect subtle kidney dysfunction before severe symptoms appear. This nuanced approach enables veterinarians to intervene sooner, potentially slowing disease progression.

UAC correlates well with other renal biomarkers like the urine protein-to-creatinine ratio (UPC), serum creatinine, blood urea nitrogen, and symmetric dimethylarginine (SDMA). However, its diagnostic accuracy (area under the curve: 0.817) is not perfect, with sensitivity at 72% and specificity at 71%, reinforcing the importance of using UAC alongside other tests.

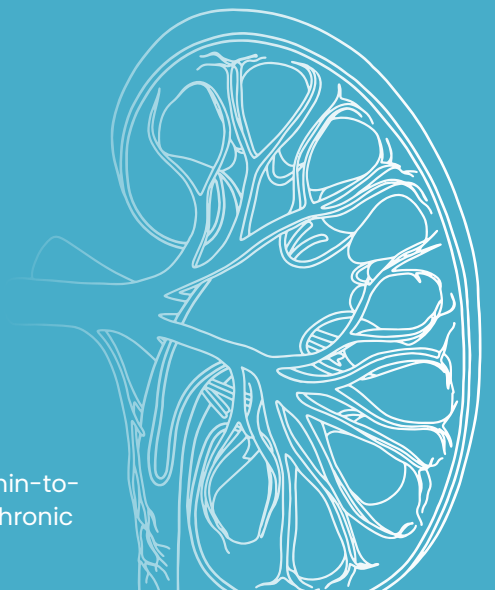
In human medicine, a similar albumin-to-creatinine ratio is used for CKD detection, but with a higher cut-off (30 mg/g) compared to dogs (19.20 mg/g). This highlights species-specific differences but confirms UAC's value in tracking kidney disease progression across species.

By incorporating UAC into routine diagnostics, veterinarians can improve early CKD detection, personalize treatment strategies, and enhance long-term outcomes for dogs at risk. As research advances, UAC is expected to play an even greater role in veterinary nephrology.



Reference:

1.Lee SY, Cha YE, Kang HM, et al. Diagnostic validation of the urine albumin-to-creatinine ratio for early renal disease in healthy dogs and dogs with chronic kidney disease. J Vet Sci. 2024;25(6): e77. doi:10.4142/jvs.24183



Common Tumours – Diagnosis & Treatment by Dr. Noopur Desai

Vivaldis conducted a One-Day Educational event in Bangalore on 23 Jan at Hyatt MG Road. The topic was Common Tumour Types – Diagnosis & Treatment by Dr. Noopur Desai, who is a widely acclaimed and immensely experienced Cancer Specialist. The event attracted over 90 veterinarians from Bangalore and surrounding areas and was a very interactive one, with doctors participating very actively in the discussions regarding the topic. The event was organised in partnership with the Pet Practitioners' Association of Karnataka.



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