

## **Tolerance evaluation in dogs of a dental chew containing the FR3SH™ technology (VEGGIEDENT® FR3SH™)**

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The tolerance of the dental chew VEGGIEDENT® FR3SH™ (Virbac, Carros, France) containing the FR3SH™ technology (pomegranate, erythritol and inulin) for fresh breath, was evaluated in dogs.

In this study, 8 dogs (4 males and 4 females) received 1 VEGGIEDENT® FR3SH™ chew per day (recommended quantity), 8 dogs (4 males and 4 females) received 5 VEGGIEDENT® FR3SH™ chews per day (i.e. 5 times the recommended quantity) and 4 received no chew (2 males and 2 females - control). The food ration was adapted accordingly. The study included a 14-day acclimation phase before day 0 and a 28-day administration phase.

Animals were housed in pairs and observed daily. A complete clinical examination including rectal temperature was performed once a week. Body weight was measured twice a week. Food consumption and feces examination (5-scale scoring) were assessed daily. Blood samples were taken during acclimation phase (D-14) and at the end of the study (Day 28) for hematology and blood biochemistry. Extra samples were taken following abnormal results in 2 dogs treated for bite wounds.

All dogs ate the chews as expected during the 28 days, except for one female in the group receiving 5 chews who took approximately 80% of the expected quantity throughout the study.

Food consumption, body weight and rectal temperature were not affected by the product intake.

No clinical signs or gastro-intestinal disorders were considered to be product-related during the study. Hematology and blood biochemistry parameters were not impacted by VEGGIEDENT® FR3SH™ chews even with 5 times the recommended amount.

Therefore, the VEGGIEDENT® FR3SH™ chew is safe for dogs even when given for 28 days up to 5 times the recommended amount of 1 per day.

### **Biography**

Céline Nicolas graduated in Veterinary Medicine in 2005 and as a PhD in 2007 from the University of Nantes (France). She then worked as a Post-doctoral fellow and Research Assistant at the University of Bristol (UK) and at the University of Nice (France). She joined Virbac in 2016 where she is now working as a medical manager.