



# The Power of TruMune® Postbiotic

TruMune® postbiotic is a research-proven pet food ingredient that works to promote digestive health, sustain a healthy immune system, and optimize pet health, vitality and overall well-being.



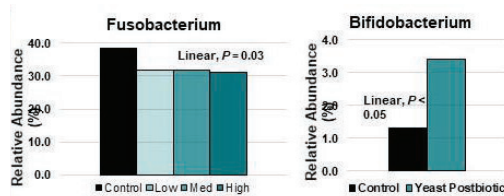
## PROMOTES DIGESTIVE HEALTH *Happier bellies*

- ✓ Helps balance healthy gut bacteria



### Positive Microbiome Outcome

Cargill postbiotic produced favorable shifts in gut microbial populations

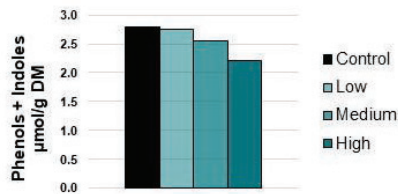


- ✓ Helps lessen stool odor



### Fermentation End-Product Balance

Cargill postbiotic decreased putrefactive compounds that result in fecal odor



Sources  
Lin et al., 2019. Journal of Animal Science, 97:1586-1599.



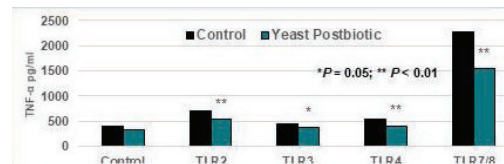
## SUSTAINS A HEALTHY IMMUNE SYSTEM *Helps pets live healthier lives*

- ✓ Provides natural antioxidant power



### Improved Responsiveness

Decreased production of TNF—a in response to TLR against stimulation, indicating an anti-inflammatory marker response and balanced immune response to challenges

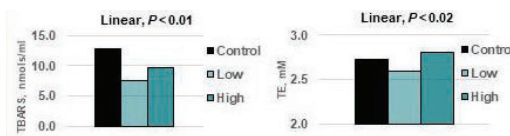


- ✓ Supports everyday natural immune protection



### Fermentation End-Product Balance

Lower indications of oxidative stress and improved antioxidant capacity in exercise stressed dogs



Sources  
Panels a, b: Efficient Surveillance and Improved Responsiveness - Lin et al., 2019. Journal of Animal Science, 97:1586-1599; Panel c: Protection Against Antioxidant Stress - Varney et al., 2021. Annual ASAS Meeting, Companion Animal Poster Session V-B. Poster 20; (Diamond V FOR\_F105p).0.



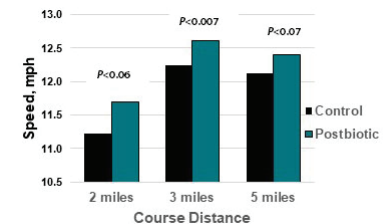
## IMPROVES VITALITY *Results in a happier, more playful dog*

- ✓ Helps maintains healthy activity and vitality



### Faster

Dogs fed Cargill postbiotic ran an average of 3.2% faster across several distance challenges versus control

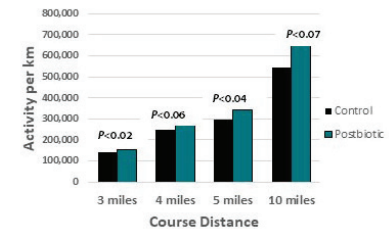


- ✓ Supports mobility



### Fermentation End-Product Balance

Dogs fed Cargill postbiotic demonstrated 15% numerically greater overall activity compared to control



Sources  
Varney et al., 2021. Annual ASAS Meeting, Companion Animal Poster Session V-B. Poster 20; (Diamond V FOR\_F105p).

