

# Effects of probiotic supplementation on fiber digestion in horses

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## Abstract

This study was evaluated the effect of probiotic (Bactosac®) in 8 clinically healthy horses. Percentage of crude fiber, cellulose and hemicellulose before and after probiotic supplementation were analyzed by fecal collection. After 6 days of probiotic supplementation, crude fiber percentage was decreased in 6 of 8 horses. Cellulose percentage was decreased in 5 of 8 horses but hemicellulose percentage was increased significantly ( $p < 0.05$ ). Throughout study period, no adverse effects were identified in any horses. This study can conclude that probiotic supplementation in horses improved fiber digestion by decrease crude fiber percentage in feces.

