



350 Research paper

Effects of methylsulfonylmethane and neutralizing anti- IL-10 antibody supplementation during a mild Eimeria challenge

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In **Significant Impact Groups:**

Pathogen management \ Eradication Feed / gut health

Species targeted: Poultry;

Age: Young;

Summary:

This experiment showed promising results in the recovery of broiler chicks after a challenge with mild coccidiosis infection (*E. Tenella*). The chicks were fed a feed containing an additive that boosted their immuneresponse to the parasite and an additional antioxidant to mitigate tissue damage to the gut from an excessive immune respons. Both the chicks on the control diet (without the new additives) and the chicks receiving the treatment were challenged with a mild coccidiosis infection and did not differ in overall performance. However, the chicks on the treatment diet showed faster recovery and better daily gain instantly after the infection with the parasite. This led the researchers to believe that chicks under a more severe infection could benefit more from this innovative dietary supportive treatment.

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Where to find the original material:

<https://www.sciencedirect.com/science/article/pii/S0032579120306982>;

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