

Board Research Initiative Request for Proposals

Released – 09/18/2017

Clostridium Enteritis in Broilers

Background

Clostridium enteritis is an economically significant disease of broilers caused by the action of coccidia (*Eimeria sp.*) and *Clostridium perfringens* in the intestinal tract. The disease may cause significant mortality or may present in a subclinical form characterized by poor feed conversion and growth rate. In the past this disease was primarily prevented by use of antibiotics in feed. Clostridium enteritis has become an important disease in many broiler companies that no longer use antibiotics.

Research Questions

- What non-antibiotic feed or drinking water additives can be used to prevent clostridium enteritis in broilers?
- Can a practical vaccine be developed to prevent clostridium enteritis in broilers?
- What poultry husbandry, management, or feeding practices can be used to prevent clostridium enteritis in broilers?

Areas of Focus

- Objective evaluation of currently available non-antibiotic feed and/or drinking water additives for their potential to prevent clostridium enteritis in broilers.
- Development and evaluation of a practical vaccine to prevent clostridium enteritis in broilers.
- Development and evaluation of poultry husbandry, management, and feeding practices to prevent clostridium enteritis in broilers.

Proposal Submission

Researchers should submit only a maximum two-page pre-proposal summary that describes the parts of the objectives they wish to address and what they propose to do. A title, the researcher's name, affiliation, and email address should be included in the pre-proposal. Details of procedures or specifics of the budget should not be included in the pre-proposal submission. Pre-proposals should be submitted in Microsoft Word format to Debbie Jorgensen at djorgensen@uspoultry.org. **DEADLINE FOR PRE-PROPOSAL SUBMISSION IS NOVEMBER 1, 2017.**

The outcome of the pre-proposal review will be one of three responses from USPOULTRY:

- Send a full research proposal for consideration.
- Please make specific modifications in what you are proposing and send a full proposal.
- Do not send a full research proposal.

Full proposals will follow established USPOULTRY guidelines as seen at www.uspoultry.org. Funds can be used for graduate students, technicians, research supplies, and work and meeting travel. Funds cannot be used for professional (faculty or postdoc) salaries or equipment purchase. Up to 15% overhead is allowed. No budget, including overhead, may exceed \$125,000.