



From:

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To: [REDACTED]	Re: BMD® 110 G
Telephone: [REDACTED]	Case Id: ON-082421-23510
Fax: [REDACTED]	Date of Response: Aug 24, 2021 11:45:26 AM
Email: [REDACTED]	

Case Information:

Date Submitted Aug 24, 2021 10:43:02 AM
Species Chickens/Broiler Breeder
Number of Animals 6500
Location of Animals [REDACTED]
Reason for Use
Drugs Administered

Drug Trade Name	Generics	Route	Dose	Diseases
BMD® 110 G	• bacitracin	Oral - Feed	55 ppm (in feed) Continuously for 168 days	• Alimentary: necrotic enteritis - clostridium perfringens

Response and Recommendation: *Meat: 0 day, eggs: 24 hours*

Bacitracin is labelled for use in broiler chicken rations for the prevention of necrotic enteritis at 55 ppm to be fed continuously until birds reach market weight. Bacitracin has just been approved for the treatment of necrotic enteritis in broiler and layer chickens at 110 ppm to be fed continuously for 7 days (<https://health-products.canada.ca/dpd-bdpp/dispatch-repartition.do>). The label does not mention any adverse effects in broiler breeder chickens. According to the updated label, no meat or egg withdrawal period is required when fed according to the label directions. The CMIB has now included this statement regarding bacitracin: "This livestock feed contains a medically important antibiotic. To reduce the development of antimicrobial resistance and maintain effectiveness, use this antibiotic prudently and for the shortest duration required to achieve the desired clinical

outcome.” Therefore, the addition of bacitracin at 55 ppm for durations longer than 7 days in layer chickens is an extralabel drug use of a medically important antibiotic. So, in keeping with CgFARAD™ policy of recommending a "greatly extended" withdrawal interval for extralabel drug use in food animals, we recommend following a withdrawal interval of at least 24 hours for eggs for this use of bacitracin.

Therefore, the Canadian gFARAD recommends a withdrawal interval of zero days for meat and 24 hours for eggs, which should be sufficient so that detectable residues are not found. Furthermore, this recommendation for residue avoidance does not address the risks of developing or transmitting antimicrobial resistance from treated animals to other animals or humans following the extralabel use of this antimicrobial. Because the Canadian gFARAD withdrawal recommendation is not an official withdrawal time and is based on data that has not been reviewed nor approved by the Veterinary Drugs Directorate or the Canadian Food Inspection Agency, responsibility for residue violations rests with the attending veterinarian.

To review this request in CgFARAD:

<https://farad.usask.ca/cgfarad/vet/viewRequest?id=23510&lang=en>