



















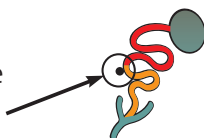
Bacterial Enteritis scoring in practice

Score 0

Score 1

Gut Ballooning	Entire Gut		 Normal gut diameter	 Visibly larger diameter of some parts of the intestine, containing various amounts of liquid, greasy, slimy and/or gaseous gut contents
Inflammation	Cranial & Caudal		 Normal gut color and blood vessels not visible	 Significant redness of the serosal and/or mucosal side of the gut; and/or presence of abnormally dilated blood vessels on the serosal side of the gut
Flaccid	Cranial & Caudal		 Edges of gut wall are folding back causing inversion of the gut wall	 Flaccid aspect of the gut wall immediately after opening of the gut
Abnormal Contents	Cranial & Caudal		 Normal appearance of the gut content	 Abnormal appearance (foamy, watery, mucoid, bloody, ...) of the gut content
Thickness	Cranial & Caudal		 Normal appearance (foamy, watery, mucoid, bloody, ...) of the gut wall	 Macroscopically visible and/or tangible reduction of the gut wall thickness, and/or translucent guts in combination with increased fragility of the gut
Undigested Feed	Hind gut		 No undigested feed particles	 Presence of undigested feed particles

The cranial part is separated from the caudal part by Meckel's diverticulum



Mean Bacterial Enteritis Score

- Scoring for bacterial enteritis is performed according to the system described by De Gussem M. (2010) and Teirlynck et al. (2011).
- Scoring should be performed immediately after culling (maximum 20 minutes) on at least 5 randomly chosen birds per house.
- The gut is evaluated for 10 individual parameters which are scored for present (1) or absent (0).

Practical example:

For each of the parameters described above a score 0 (normal) or 1 (abnormal) is given.

BACTERIAL ENTERITIS											
Animals	Overall	Cranial				Caudal				Hind gut	Total
	Gut Ballooning	Inflammation	Flaccid	Abnormal Contents	Thickness	Inflammation	Flaccid	Abnormal Contents	Thickness	Undigested Feed	
1	0	0	0	0	0	0	0	0	0	1	1
2	1	1	1	1	1	1	1	0	1	1	9
3	0	0	0	1	0	0	0	1	0	0	2
4	0	0	0	0	0	0	0	0	0	0	0
5	0	0	1	1	1	0	0	0	0	0	3
											=15/5
											= 3 on 10 or 1.2 on 4

- All scores are added up and divided by the number of birds evaluated, resulting in a score out of 10.
- Dividing this score by 2.5 gives a score out of 4 (similar as the coccidiosis scoring) or the mean bacterial enteritis score per house.
- If the mean bacterial enteritis score is > 1.2 out of 4, then further investigation should be considered.

