

Supplementary Materials: Chronic Dietary Intake of Enniatin B in Broiler Chickens Has Low Impact on Intestinal Morphometry and Hepatic Histology, and Shows Limited Transfer to Liver Tissue

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Table S1. Results of the Within- and Between-run Precision and Accuracy Evaluation for the Analysis of ENN B in Broiler Chicken Liver.

Theoretical concentration (ng/g)	Mean concentration ± SD (ng/g)	Precision, RSD (%)	Accuracy (%)
0.05 ^a	0.04 ± 0.005	11.9	-13.3
0.05 ^b	0.04 ± 0.010	23.8	-13.3
0.50 ^a	0.49 ± 0.005	1.1	-3.0
0.50 ^b	0.52 ± 0.027	5.2	3.7
5.00 ^a	4.75 ± 0.054	1.1	-5.1
5.00 ^b	4.99 ± 0.243	4.9	-0.3

^a Within-run; ^b between-run; SD: standard deviation; RSD: relative standard deviation. Acceptance criteria for accuracy were: -50% to +20% and -30% to +10% for concentration levels ≤ 1 ng/g and between 1 and 10 ng/g, respectively. The precision was evaluated by the determination of the relative standard deviation (RSD), which had to be below the RSD_{max} value. For the within-day precision, RSD_{max} is fixed at 30% and 25% for concentrations ≤ 1 ng/g and between 1 and 10 ng/g, respectively [23]. For between-run precision, the RSD had to be below the RSD_{max} value calculated by the Horwitz equation [23]. These criteria were 71.0%, 50.2% and 35.5% for concentrations at 0.05 ng/g, 0.5 ng/g and 5 ng/g, respectively.

Table S2. Decision Limit (CC_α) of the Mycotoxins analyzed in the Experimental Diets [18].

Mycotoxin	CC _α (μg/kg)
aflatoxin B1	6.75 ^a -11.75 ^b -21.75 ^c
aflatoxin B2	1.53
aflatoxin G1	1.93
aflatoxin G2	2.39
altenuene	4.54
alternariol	11.98
alternariol methylether	17.75
deoxynivalenol	60.61
3-acetyl-deoxynivalenol	4.90
15-acetyl-deoxynivalenol	3.07
diacetoxyscirpenol	0.67
enniatin B ^d	80.0
fumonisin B1	31.84
fumonisin B2	24.37
fumonisin B3	23.18
fusarenon-X	16.58
neosolaniol	8.60
nivalenol	36.22
ochratoxin A	3.44

rocquefortin-C	1.08
sterigmatocystin	4.75
T2 toxin	9.38
HT-2 toxin	9.23
zearalenone	17.85

^a for a maximum level in feed of 5 µg aflatoxin B1/kg, ^b for a maximum level in feed of 10 µg aflatoxin B1/kg, ^c for a maximum level in feed of 20 µg aflatoxin B1/kg, ^d cut-off of 80.0 µg/kg for ENN B

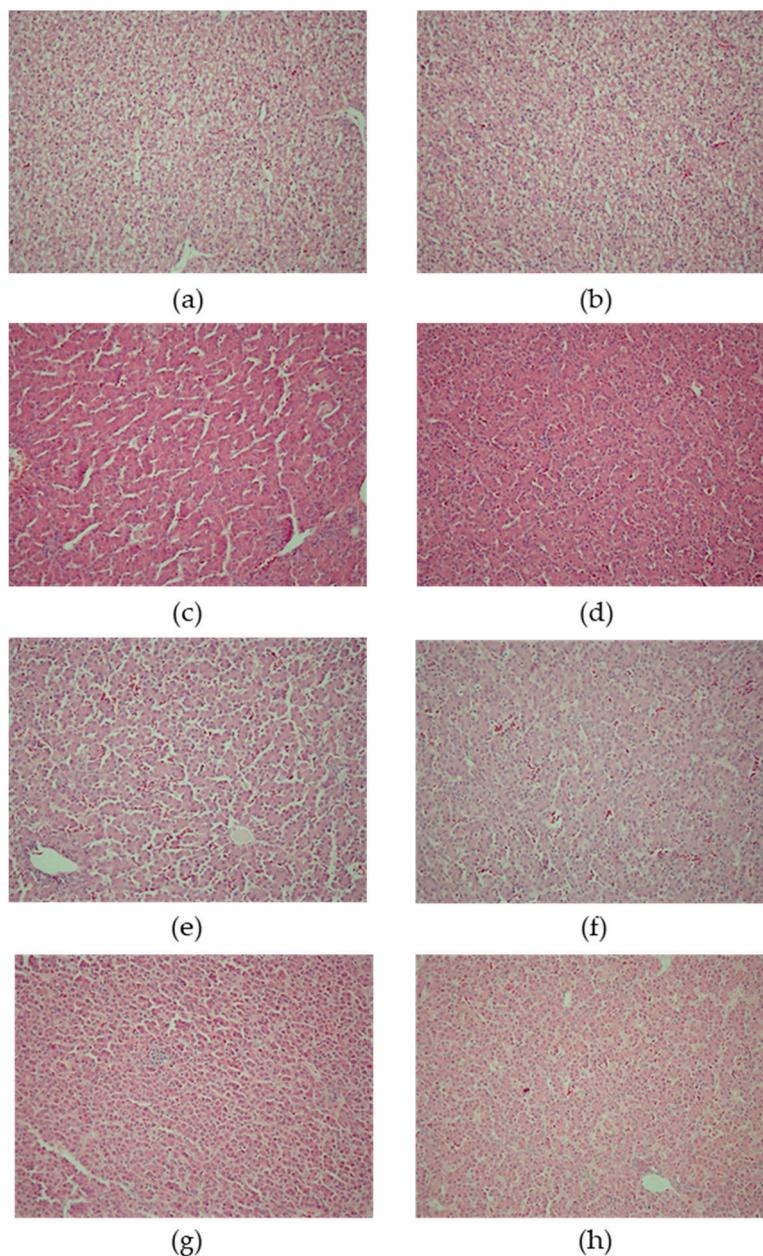


Figure S1. Histology of the liver of broiler chickens (20×). (a) ENN B diet, 2 days old; (b) control diet, 2 days old; (c) ENN B diet, 7 days old; (d) control diet, 7 days old; (e) ENN B diet, 14 days old; (f) control diet, 14 days old; (g) ENN B diet, 21 days old; (h) control diet, 21 days old.