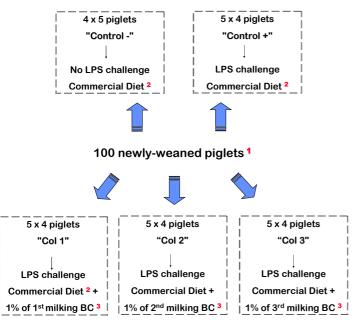


P

Introduction



LPS challenge: 100 µg of *E. coli* LPS/kg of BW by i.m on d 5 PW BC supplementation: 1 % of the diet from days 0 to 12 PW Measures

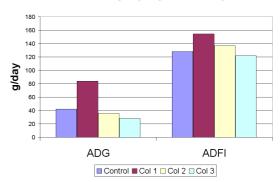
- Individual Weight (n = 20) and feed intake (n = 4 or 5)
- Blood (n = 10): haematological parameters IgA, IgG, IgM (total and anti-LPS) Cytokines: IL-10, TNF-α and IFN-γ

Results

BC composition

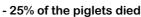
Composition (g/kg DM)	Colostrum 1	Colostrum 2	Colostrum 3
Crude Protein	723	673	556
Ash	64	70	81
IgA	103	56.3	30
IgM	40	27	10.5
lgG	376	175	78
Lactoferrin	7.2	14.5	10.9
IGF-I	2040 ng/g	1040 ng/g	400 ng/g

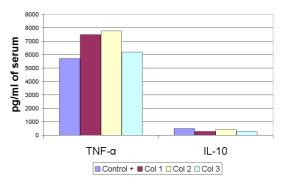
Before the LPS Challenge (Days 0-5 PW)



After the LPS Challenge

- Important inflammation





Conclusion

Before the LPS challenge: Col 1 > Col 2 and 3 After LPS challenge: no interpretation possible → New experiment in real rearing conditions

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The authors thank the National Fund for Scientific Research, Brussels, Belgium for travel grant