



SDI FINAL EVALUATION FORM 1.1

PART 1:

Journal Name:	American Journal of Experimental Agriculture
Manuscript Number:	MS: 2013_AJEA_4109
Title of the Manuscript:	THE EFFECTIVENESS OF MEDICATION IN THE PREVENTION OF SALMONELLA IN GROWING CHICKENS AND THE SEROPREVALENCE OF ANTI-SALMONELLA ANTIBODIES IN BIRDS.

PART 2:

FINAL EVALUATOR'S comments on revised paper (if any)	Authors' response to final evaluator's comments
What was the source of S. Typhimurium strain used in the experiment? It is not clear why the authors did not provide information about S. Typhimurium strain in the previous version of the paper. What was the rationale for using multidrug resistant strain? The authors mentioned that “all Salmonella isolates (<i>Salmonella</i> Typhimurium) tested were investigated for their antibiotic resistance with the disc diffusion test”. However the results were not included into the text. Please explain. I still did not find information whether the observed differences of the <i>Salmonella</i> prevalence between three bird groups are statistically significant. “We found that the trisulvitrim is the most effective.” - This conclusion is not sufficiently supported by the experiment performed. Trisulvitrim is a trade name. The author should provide information about active component of this drug. There is a general problem with the citation, only two new papers were added. Please pay attention on the proper way of paper citation.	The source of the wild-type multiresistant strain of <i>Salmonella</i> Typhimurium was a chicken egg isolate (resistant to chloramphenicol and trimethoprim/ Sulfamethoxazole, ampicillin and streptomycin, the chicken were artificially infected by giving the bacteria by oral route (3×10^9 cfu/bird). Since it was a wild type that we proved previously to sicken few chicks. Normally salmonellosis in chickens is sub-clinical and chicken has a natural resistant to Salmonella, but using the mentioned strain 16 out of 60 animal showed the presence of salmonellosis post-mortem in many organs. The data generated (p) were analyzed using the SPSS version 18. It was considered a statistically significant difference if $p < 0.05$. Trisulvitrim is a trade mark of a Canadian company (Vétoquinol N.A. Inc.) and is used in the prevention of bacterial infections. The company does not reveal the active component of this drug when we inquired due to patent protection. More recent references were included in the research. Thank you. Trisulvitrim is a trade mark of a Canadian company (Vétoquinol N.A. Inc.) and is used in the prevention of bacterial infections. The company does not reveal the active component of this drug when we inquired due to patent protection