## Virulence of layer farm or egg associated Salmonella isolates



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Improved understanding of the public health significance of Salmonella serovars and extent of invasiveness and virulence.



This research was conducted to evaluate the virulence of Salmonella serovars commonly isolated from egg layer farms, through a study of the pathogenesis of egg/layer farm-related Salmonella serovars in a well-differentiated human intestinal cell culture model (in vitro) followed by a mouse model (in vivo). The study also investigated the ability of Salmonella serovars to colonise the chicken oviduct organ cultures developed from Salmonella free laying hens. The Salmonella serovars were classified as high, medium and low invasive serovars. The genome of selected high, medium and low Salmonella serovars was also studied.

For consumer-friendly information on eggs and salmonella click here.