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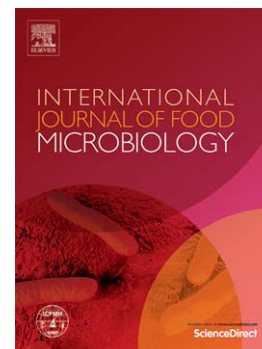
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Assessment of the effect of a *Salmonella enterica* ser. Typhimurium culture supernatant on the single-cell lag time of foodborne pathogens

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Abstract

The objective of this study was the *in vitro* evaluation of the effect of a cell-free microbial supernatant, produced by a *luxS*-positive *Salmonella enterica* ser. Typhimurium strain, on the single-cell growth kinetic behavior of two strains of *S. enterica* (serotypes Enteritidis and Typhimurium) and a methicillin-resistant *Staphylococcus aureus* strain. The single-cell lag time (λ) of the pathogens was estimated in the absence and presence (20% v/v) of microbial supernatant based on optical density measurements. As demonstrated by the obtained results,

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