

CHILLING OF CARCASSES FROM DOUBLE MUSCLED CATTLE : TIME-TEMPERATURE EVOLUTION AND PREDICTIVE MODELLING OF GROWTH OF *LISTERIA MONOCYTOGENES* AND *CLOSTRIDIUM PERFRINGENS*

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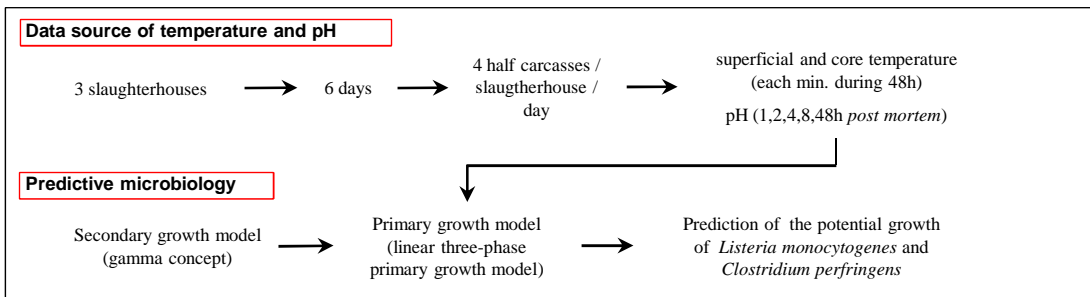
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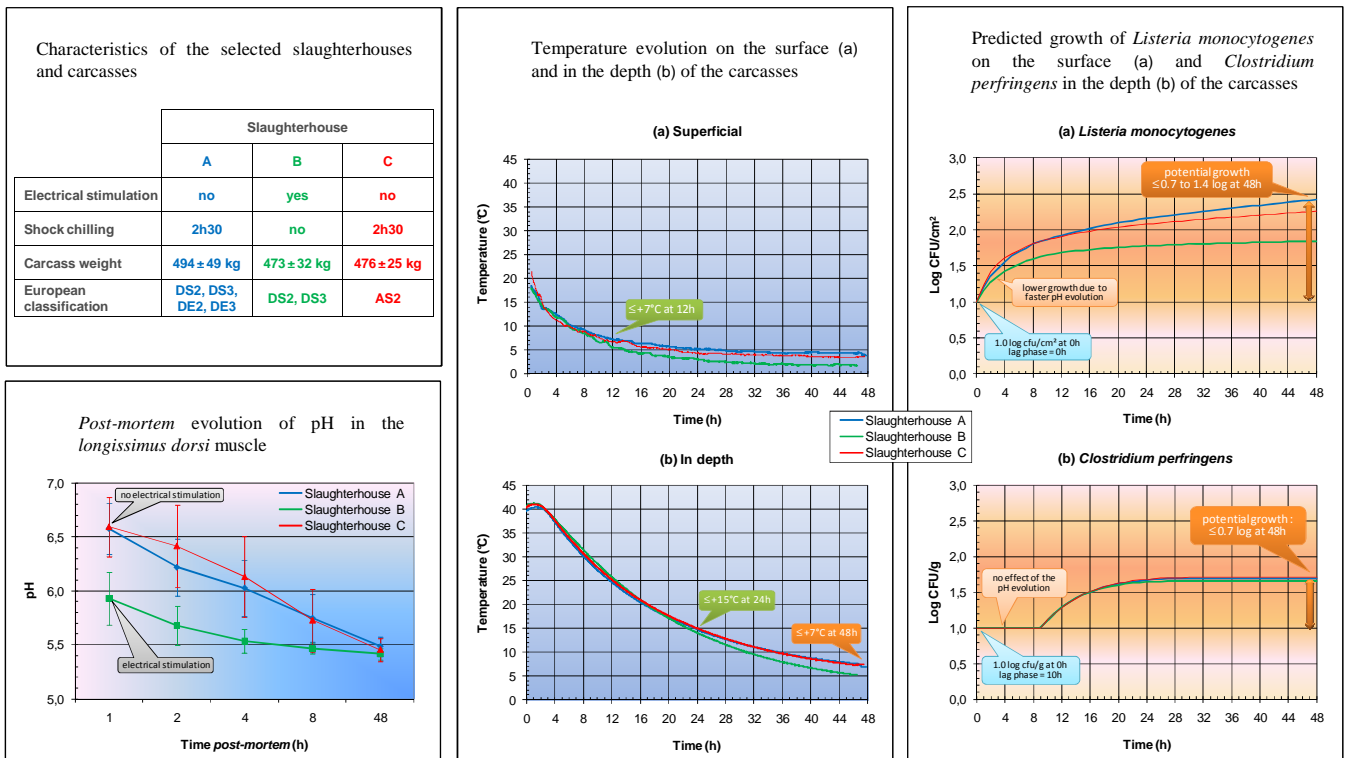
Objectives

- study the feasibility of complying with chilling recommendations in heaviest carcasses of the Belgian Blue cattle
- predict the potential growth of *Listeria monocytogenes* on the surface and *Clostridium perfringens* in the depth of carcasses

Materials and methods



Results and discussion



Conclusions

The observed time-temperature combinations in the selected slaughterhouses comply with recommendations and limit the growth of both pathogens in case of accidental contamination of carcasses.

This study contributes to demonstrate that modeling approach could be used on available environmental data in order to evaluate the risk associated with pathogens. The impact of the variation of environmental conditions can also be evaluated.