Identification and characterization of Enterobacteriaceae isolated from raw ingredients, environmental samples and products of an infant formula processing plant

Summary / Zusammenfassung
The family Enterobacteriaceae are useful indicators for verification of hygiene processes in food production facilities. The current ISO standard method 21528-1:2004 comprises pre-enrichment in buffered peptone water (BPW), followed by enrichment in Enterobacteriaceae enrichment (EE) broth, which is then streaked on violet red bile glucose (VRBG) agar. Typical colonies on VRGB are confirmed as Enterobacteriaceae based on negative oxidase activity and positive fructose fermentation.

In this study, i) we investigate novel cost effective modifications, designed to improve ISO 21528-1:2004 for the detection of Enterobacteriaceae; ii) identify and further characterize Enterobacteriaceae isolated from raw ingredients, environmental samples and products of an infant formula processing plant

Publications / Publikationen

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Funding Source(s) / Unterstützt durch
Universität Zürich (position pursuing an academic career), Others

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Claudia Fricker-Feer Switzerland
Karl Gschwend
Nutritec Hochdorf AG
Dr. Carol Iversen Switzerland
Nestle, Lausanne
Duration of Project / Projektdauer
Feb 2008 to Dec 2011