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Feature Series Articles: Achieving real change in adoption of new knowledge in the dairy industry

# Economic aspects of mastitis: New developments

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to farmers' decision-making, it is important to describe the mastitis setting not only in terms of disease, e.g. incidence of clinical mastitis, but also in monetary terms; and to make good decisions, it is necessary to provide the dairy farmer with information on the additional expenditure and reduced losses associated with alternative decisions. Six out of 18 preventive measures were shown to have a positive nett benefit, viz blanket use of dry-cow therapy, keeping cows standing after milking, back-flushing of the milk cluster after milking a cow with clinical mastitis, application of a treatment protocol, washing dirty udders, and the use of milkers' gloves. For those measures that included a large amount of routine labour or investment, the reduced losses did not outweigh the additional expenditure.

The advisor cannot expect that measures that are cost-effective are always implemented. Reasons for this are the objectives of the dairy farmer can be other than maximisation of profit, resources to improve the mastitis situation compete with other fields of management, risk involved with the decision, economic behaviour of the dairy farmer, and valuation of the cost factors by the dairy farmer. For all decision-makers this means that, although financial incentives do have an effect on the management of mastitis, it is not always sufficient to show the economic benefits of improved management to induce an improvement of management of mastitis.

#### **KEY WORDS:**



Source: Hindawi

Biosensors for On-Farm Diagnosis of Mastitis.

Source: Frontiers Media SA

Transcriptomic and genomic evidence for Streptococcus agalactiae adaptation to the bovine environment

Source: Springer Science and Business Media LLC

Molecular Detection and Sensitivity to Antibiotics and Bacteriocins of Pathogens

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Transcriptome MicroRNA Profiling of Bovine Mammary Glands Infected with

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Source: MDPI AG

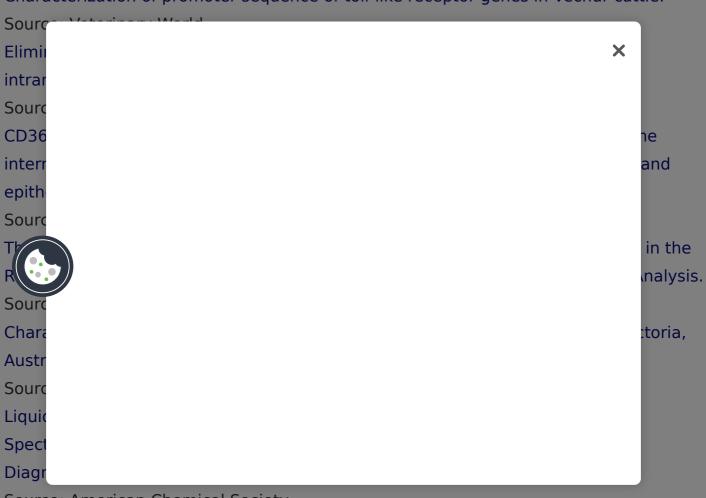
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Source: Wiley

Chitosan and cloxacillin combination improve antibiotic efficacy against different lifestyle of coagulase-negative Staphylococcus isolates from chronic bovine mastitis.

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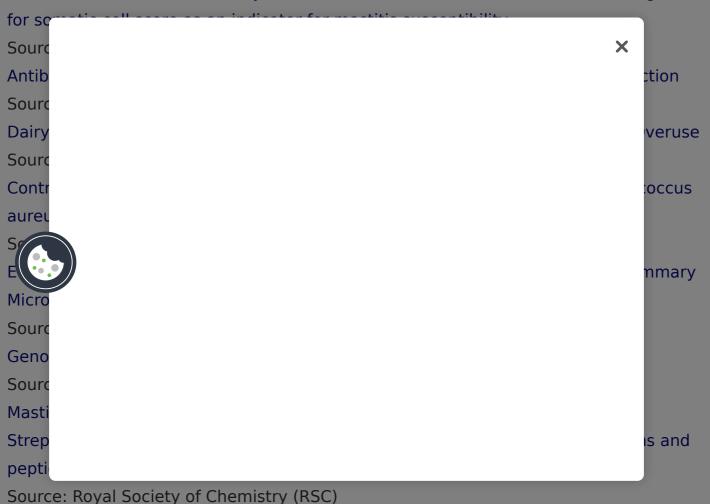
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Source: Springer Science and Business Media LLC

Genome-wide association study in Chinese Holstein cows reveal two candidate genes



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Proteomic Analysis of Milk Whey from Cows with Staphylococcus aureus Subclinical
Mastitis.

Source: MDPI

No evidence for a bovine mastitis Escherichia coli pathotype

Source: BMC

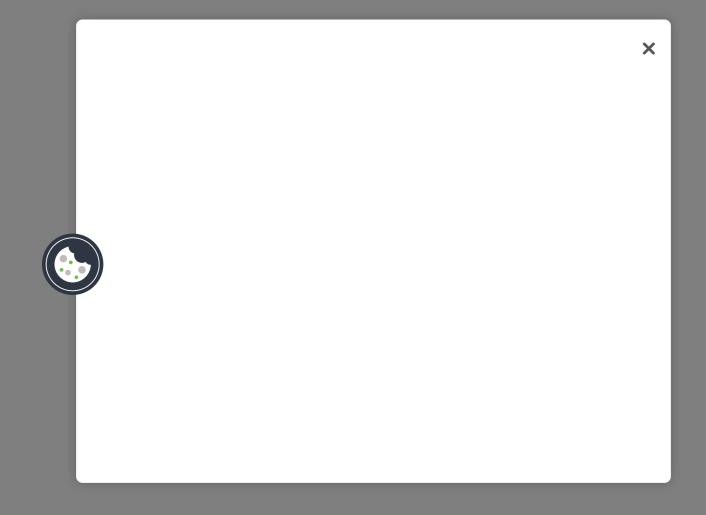
Phage Lytic Protein LysRODI Prevents Staphylococcal Mastitis in Mice.

Source: Frontiers Media S.A.

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