

Early detection of clinical mastitis from electrical conductivity data in an automatic milking system

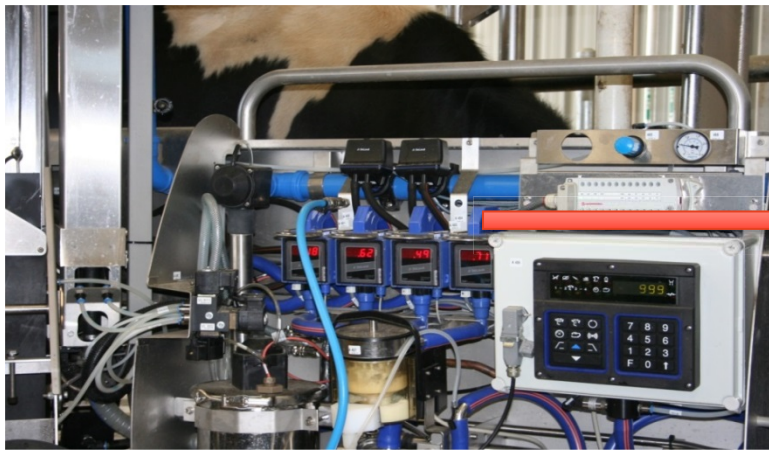
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EC in-line sensor



Automatic milking system

Methodology and results



Se, Sp, A (%)

Thresholds: 7.5 to 10

Indexes: > 250

Statistical process control

92, 39, 51

84, 47, 56

83, 26, 40

Early detection (d)

Time windows

4.4d

70

58

7d

51

14d

47

21d

27d

Take home message

- EC is not an excellent CM detector



Future studies:

- Milk parameter
- Immune responses
- Behavioural activities