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**Direct detection of *Tritrichomonas foetus* in cattle genital fluid through loop mediated isothermal amplification of elongation factor 1 alpha 1**

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**Highlights**

- Fast and sensitive method for *Tritrichomonas foetus* detection.
- Based on loop mediated isothermal amplification of *T. foetus* elongation factor 1 alpha 1.
- 100 times more sensitive than culture, tf-5.8r LAMP or TFR3-TFR4 PCR
- Direct detection from smegma and cervical mucus.

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