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Title: Detection of murine norovirus by reverse transcription loop-mediated isothermal amplification

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1 Highlights

- 2 • RT-LAMP method with the potential to detect a broad range of MNV was developed.
- 3 • Sensitivity of RT-LAMP was 50-fold less than that of TaqMan RT-PCR.
- 4 • In a practical diagnostic test, RT-LAMP exhibited 96.4% and 94.7% sensitivity compared with
- 5 TaqMan RT-PCR and nested RT-PCR.
- 6 • In a practical diagnostic test, RT-LAMP exhibited 100% specificity compared with both TaqMan
- 7 RT-PCR and nested RT-PCR.

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