

# A minimal equipment one-pot RT-LAMP assay for detecting reverse transcriptase activity

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# 1 Introduction

## 2 Design

### 2.1 Sample Collection

minimal sample volume, blood drop from lanclet

### 2.2 Lysis

[1]

[2]

[3]

### 2.3 Reaction

## References

- [1] A. Malmsten, “Reverse transcriptase activity assays for retrovirus quantitation and characterization,” 2005.
- [2] S. Karamohamed, M. Ronaghi, and P. Nyrén, “Bioluminometric method for real-time detection of reverse transcriptase activity,” *oligonucleotides*, vol. 2, p. 5, 1998.
- [3] K. A. Curtis, D. L. Rudolph, and S. M. Owen, “Rapid detection of hiv-1 by reverse-transcription, loop-mediated isothermal amplification (rt-lamp),” *Journal of virological methods*, vol. 151, no. 2, pp. 264–270, 2008.