



Low Cost LAMP and RT-LAMP

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1 Works for me dx.doi.org/10.17504/protocols.io.bsejnbncn

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ABSTRACT

This protocol collection specifies how to carry out LAMP or RT-LAMP (reverse transcription - Loop-mediated isothermal amplification) reactions with homemade reagents and home-brewed enzymes. It describes how to prepare all the solutions and buffers to perform the reactions.

This collection was developed in the context of COVID-19 pandemic to provide access to RT-LAMP tools in accordance with the principles of [ReClone](#) community initiative. It is the result of information exchange and reagent sharing with a huge community of collaborators from ReClone, gLAMP and JOGL.

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KEYWORDS

LAMP, RT-LAMP, Isothermal Amplification Buffer, IAB, Storage Buffer, BstLF, MMLV, Homemade Reagents, Home-brew, Low-cost, Free technology, RNA detection, DNA detection, viral detection, ReClone

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FILES

-  LAMP/RT-LAMP Reaction protocol
Version 1
by Tamara Matute
-  LAMP/RT-LAMP Buffer protocol
Version 1
by Tamara Matute
-  LAMP/RT-LAMP COVID positive control
Version 1
by Tamara Matute