

Sep 08, 2020

## Open Isothermal Platform Protocal

DOI

[dx.doi.org/10.17504/protocols.io.bk3nkyme](https://dx.doi.org/10.17504/protocols.io.bk3nkyme)

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**Protocol status:** Working

**We use this protocol and it's working**

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- 1 Extract RNA as per [dx.doi.org/10.17504/protocols.io.bkynkxve](https://doi.org/10.17504/protocols.io.bkynkxve)
- 2 Transfer 5ml of extracted RNA to pre-aliquoted LAMP mix. Mix by pipetting up and down 5 times.
- 3 Add 5ml of H<sub>2</sub>O in negative control well 7.
- 4 Add 5ml of positive control in well 8.
- 5 Cap all wells
- 6 Place strips in FABL-8
- 7 Run FABL-8 as per manual
- 8 **LAMP reaction (can refer to N1-STOP-LAMP paper)**

Single reaction setup:

Reagent	Volume (ml)
Optigene Master Mix	15
N1 primer	5
Extracted RNA	5
<b>Total</b>	<b>25</b>

To reduce pipetting error, Master Mix and N1 primer are premixed according to the number of reactions desired (allow for pipetting error by preparing enough for ~1.1x the number of reactions, rounded to the nearest whole number); 20ml of this mixture is then aliquoted per reaction.