



Oct 21, 2019

## Encasing LAMP mixture in paraffin

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iGEM Wageningen 2019

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### ABSTRACT

This protocol can be used to encase LAMP mastermix and primers in paraffin.

- 1 Prepare a 10X primermix according to the following scheme

Primer	Concentration
FIP	16 $\mu$ M
BIP	16 $\mu$ M
F3	2 $\mu$ M
B3	2 $\mu$ M
LOOP F	8 $\mu$ M
LOOP B	8 $\mu$ M

- 2 Add the following components to a micro centrifuge tube

Component	Volume added
Mastermix	5 $\mu$ l
Lamp primers (10X)	1 $\mu$ l

- 3 Open the centrifuge tube and let dry at 37 C until only solid is left.

Note: The longer this step takes, the more activity the enzyme loses. It is recommended to dry in a storage area with a low humidity, as to speed up this step. To minimize the loss of activity, lyophilisation is recommended.

- 4 Add 4 mg of paraffin wax

- 5 Heat at 60 C for 5 minutes to let the wax melt and encapsulate the dried LAMP mixture

- 6 After the wax dries, the continued activity of the enzyme can be tested. To do this, add the following components

Component	Volume added
Template	x uL
MilliQ	10 - x uL

- 7 Incubate at 65 C for 30 minutes
- 8 Record the color of all samples. Yellowing of a sample indicates a positive result.
- 9 In case of doubt regarding the result of a sample, run it on an agarose gel. The presence of many bands, often not individually recognizable, indicates a positive result.



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