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Encasing LAMP mixture in paraffin

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Protocol status: Working
We use this protocol and it's working

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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 µM
	BIP	16 µM
	F3	2 µM
	B3	2 µM
	LOOP F	8 µM
	LOOP B	8 µM

2 Add the following components to a micro centrifuge tube

	Component	**Volume added**
	Mastermix	5 ul
	Lamp primers (10X)	1 ul

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.