

Certificate of Analysis

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Product Name: Human LAMP primers (18S rRNA)

Catalog No.: 7325

Batch No.: 1

1. PHYSICAL AND CHEMICAL PROPERTIES

Physical Appearance: Colourless liquid

Storage: Store at -20°C

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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Product Information

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Product Name: Human LAMP primers (18S rRNA)

Catalog No.: 7325

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Description:

Human LAMP primers (18S rRNA) are commonly used as the positive control primers in protocols for SARS-CoV-2 detection by reverse transcription loop-mediated isothermal amplification (RT-LAMP). Contains a premixed formulation of B3, F3, FIP, BIP, LB and LF clinically validated primers targeting human 18S rRNA which is present in human nasopharyngeal swab samples. Supplied at 10x concentration in nuclease free water. Sufficient quantity for 200 x 25 µL RT-LAMP reactions.

Physical and Chemical Properties:

Physical Appearance: Colourless liquid

Storage: Store at -20°C

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

References:

Buck *et al* (2021) Standard operating procedures for SARS-CoV-2 detection by a clinical diagnostic RT-LAMP assay. medRxiv - not yet peer reviewed.

Lamb *et al* (2018) Rapid detection of Zika virus in urine samples and infected mosquitos by reverse transcription-loop-mediated isothermal amplification. Sci.Rep. **8** 3803. PMID: 29491389.

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