



MASTISOPLEX[®] *RNA*

LAMP Made Easy!

- **Easy**
- **High specificity**
- **Rapid results**
- **Flexible detection methods**
- **Cost effective**

Why choose MAST ISOPLEX® RNA?

In the year 2000 Notomi and co-workers developed a new method for the amplification of nucleic acids. This method based on loop induced isothermal amplification and therefore named as LAMP* (loop mediated isothermal amplification) or Loopamp. LAMP is a simple, rapid, specific and cost-effective nucleic acid amplification method solely developed by Eiken Chemical Co., Ltd.

The rapid amplification is a one step reaction with high sensitivity and specificity. The biggest advantage is the amplification of RNA- or DNA templates within 30-60 minutes at constant temperature of 60-65 °C. No complicated or expensive thermal cyclers are required.

LAMP is a well published and proven alternative gene amplification method, overcoming many of the practical limitations laboratories faced when working with PCR.

MAST ISOPLEX® offers the advantages of the LAMP technology to establish fast and easy assay systems.

Easy:

- Due to the robustness of the enzymes used in the LAMP technology, often no sample preparation is required

- The application of a robust polymerase reduces the number of false negatives due to inhibition
- Ready to use reaction mix optimises daily laboratory work

High specificity:

- The use of several primer binding sites and their specific binding reduce the number of false positives dramatically

Rapid results:

- High numbers of amplicons (up to 10¹⁰ copies) within 15-60 minutes allow a rapid monitoring and a fast diagnosis

Flexible detection methods:

- Positive results cause colour change and can be detected visually without any additional equipment
- Fluorescence detection on thermal cycler machines enables high numbers of samples

Cost effective:

- Minimal equipment required enables all kinds of laboratories to use the advantages of **MAST ISOPLEX®** amplification kits

Ordering Information

Order code	Product	Kit size
67RNAMP1	MAST ISOPLEX® RNA	48 tests
67RNAMP2	MAST ISOPLEX® RNA	96 tests
67RNAMP3	MAST ISOPLEX® RNA	192 tests

* Licensed under international patent application numbers:

WO 00/28082, WO 01/34790, WO 01/34838, WO 01/83817, WO 01/77317, WO 02/24902, WO 02/103053 and corresponding patents owned by Eiken Co., Ltd., Japan in other countries

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United Kingdom
Mast Group Ltd.
Mast House, Derby Road, Bootle
Merseyside L20 1EA

Tel: +44 (0)151 933 7277
Fax: +44 (0)151 944 1332
e-mail: sales@mastgrp.com

Germany
Mast Diagnostica GmbH
Feldstraße 20
DE-23858 Reinfeld

Tel: +49 (0)4533 2007 0
Fax: +49 (0)4533 2007 68
e-mail: mast@mast-diagnostica.de

France
Mast Diagnostic
12 rue Jean-Jacques Mention
CS91106, 80011 Amiens, CEDEX 1

Tél: +33 (0)322 80 80 67
Fax: +33 (0)322 80 99 22
e-mail: info@mast-diagnostic.fr

www.mast-group.com