

AGAPPE
YOUR BEST PARTNER IN DIAGNOSTICS



The 1st COMPANY
to Launch RT-LAMP Based
COVID-19 Test In INDIA



MISPA LUME
Real Time RT-LAMP Analyzer

YOUR BEST PARTNER IN DIAGNOSTICS

MISPA LUME

Real Time RT-LAMP Analyzer

Product Description

Mispa Lume is a highly compact molecular diagnostics system to simultaneously perform 16 samples at faster TAT for real time detection of target genes using RT-LAMP reaction

INDIAN COUNCIL OF MEDICAL RESEARCH

VALIDATED

RT-LAMP

REVERSE TRANSCRIPTASE LOOP MEDIATED ISOTHERMAL AMPLIFICATION

100% SPECIFICITY*

99.3% ACCURACY*

98.7% SENSITIVITY*

*as per ICMR validation

- ▶ **ONE TUBE & MULTIPLE TARGET GENES**
- ▶ **RESULTS WITHIN MINUTES AFTER EXTRACTION**
- ▶ **POSITIVE RESULT CAN BE DETECTED FROM 10 MINUTES ONWARDS**
- ▶ **6 PRIMERS PER TARGET FOR 100% SPECIFICITY**
- ▶ **REAL TIME LAMP ASSAY WITH 98.7% SENSITIVITY**
- ▶ **AUTOMATIC AND FASTER Ct ANALYSIS**
- ▶ **2°C - 8°C STORAGE/ TRANSPORTATION OF KITS**
- ▶ **PERFORMS 16 TESTS SIMULTANEOUSLY**



LOW INITIAL INVESTMENT

RT-LAMP

Reverse Transcriptase Loop Mediated
Isothermal Amplification

- No thermal cycling required
- Isothermal Amplification @ 62.5°C

TIME SAVING

2 STEP PROTOCOL

Sample + Primer Mix only

- Ready to use Primer Mix
- Any manual or automatic extracted RNA sample can be used

SHORTEST TIME TO RESULT

16 Tests - 35 Min

16 Test Channels
Results in 35 minutes

- Positive result can be detected from 10 minutes onwards
- Fast result reporting for emergency cases
- Single test can be performed

LOW COST OF ALL RELATED OPERATIONS

**LYOPHILISED
REAGENT**

- Easy to store and easy to transport
- Storage @ 2°C - 8°C
- No need of -20°C storage requirements
- No need of deep freezers/ dry ice



**NO THERMAL CYCLING REQUIRED
ISOTHERMAL AMPLIFICATION @ 62.5°C**

Technical Specifications

Sample Numbers	2 x 8 wells
Sample Volume	10-50 ul
Touchscreen	YES
PC connection	YES, through USB port
Temperature range	62.5°C 35 min / 80°C 5min with pre-heating function
Temperature Accuracy	±0.2°C
Temperature Uniformity	±0.2°C
Optical source	Monochrome high efficiency LEDs
Detection device	Photo Multiplier Tube
Channels	2 channels FAM & AGQ
Scanning interval	Minimum 10 Seconds
Dimension	205 × 190 × 98 mm (Approx)
Weight	3.0 kgs (Approx)

LUME SCREEN - nCoV

LumeSCREEN-nCoV is a highly specific and sensitive confirmatory real time COVID test kit with simple process and user-friendly assay protocol using lyophilized reagents that can be stored at 2°C - 8°C.



48 TESTS / PACK

ISO 9001:2015
EN ISO 13485:2016



Toll Free No: 1800 425 7151

AGAPPE DIAGNOSTICS LTD.

"Agappe Hills", Pattimattom (PO), Dist. Ernakulam, Kerala - 683 562, India.

TEL: + 91 484 2867000 | productcorp@agappe.in | www.agappe.com

YOUR BEST PARTNER IN DIAGNOSTICS