

[Simplify and accelerate surveillance, eclipse SARS-CoV-2]

Introducing a LAMP kit that enables accurate and affordable SARS-CoV-2 detection in as little as 30 minutes

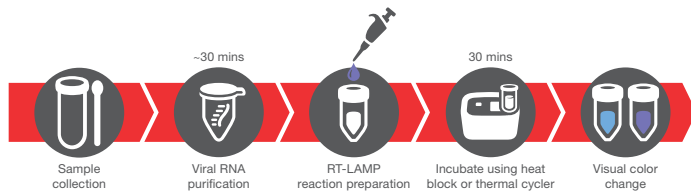
Optimize SARS-CoV-2 detection with fast, affordable, on-site surveillance using the new Invitrogen™ Colorimetric ReadILAMP™ Kit, SARS-CoV-2. The colorimetric loop-mediated isothermal amplification (LAMP) technology kit delivers robust, reproducible results with high sensitivity and viral variant coverage. Two protocols are provided, allowing the user the ultimate flexibility in sample type and workflow.

The Colorimetric ReadILAMP kit offers:

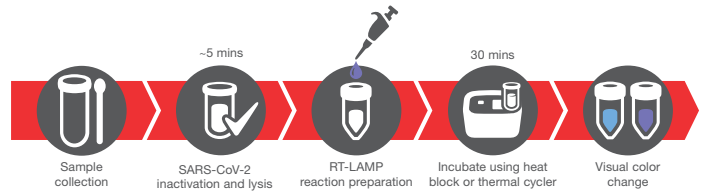
- **Simplicity**—fast and simple protocols producing easy-to-read visual results
- **A wide range of sample types**—raw saliva, preserved saliva, nasal swabs, and nasopharyngeal swabs in serum-free viral transport medium
- **Sensitivity**—enables maximum sensitivity by allowing purified RNA sample input of up to 50% of LAMP reaction volume
 - Direct: ≤ 250 copies/25 μ L LAMP reaction
 - Purified RNA: ≤ 100 copies/25 μ L LAMP reaction
 - Coverage of $>98\%$ of deposited SARS-CoV-2 genomes, including viral variants
- **Efficient processing**—allows users to optimize their workflow for variable sample numbers (1–96 sample batches) and consumable types (individual tubes, strip tubes, 96-well plates) for efficient sample processing and rapid turnaround time
- **Protocol flexibility**—choose from 2 workflows:
 - Direct LAMP assay for results in about 30 minutes using crude/raw saliva or transport media samples
 - Purified RNA-based LAMP assay for results in about 60 minutes; 30 minutes for purification and 30 minutes for LAMP assay



Choose one of two workflows:



Complete workflow for purified RNA samples



Direct assay for crude sample types

Ordering information

100-reaction kit

1,000-reaction kit



Cat. No.	A52539	A52544
Reactions	100 reactions	1,000 reactions
Kit contents	Enzyme Mix (10X), 250 µL LAMP Buffer (5X), 500 µL SARS-CoV-2 Primer Mix (5X), 500 µL Human Control Primer Mix (5X), 250 µL SARS-CoV-2 Control RNA, 20 µL	Enzyme Mix (10X), 2.5 mL LAMP Buffer (5X), 5.0 mL SARS-CoV-2 Primer Mix (5X), 5.0 mL Human Control Primer Mix (5X), 2.5 mL SARS-CoV-2 Control RNA, 200 µL
Controls	SARS-CoV-2 Control RNA and Human Control Primers (endogenous control)	
Kit storage temperature	-20°C	
Sample types	Saliva and swabs	
Test format	1–96 samples at a time	
Instrument required	65°C heating block with heated lid or thermal cycler	
Detection	Colorimetric metal indicator	
Regulatory classification	For research use only (RUO)	

Order the Colorimetric ReadILAMP Kit, SARS-CoV-2, today at [thermofisher.com/readilamp](https://www.thermofisher.com/readilamp)

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