



Simple

One-step solution. Just add primers for detection of DNA targets (add RT for RNA targets).



Sensitive

Specially formulated solution for enhaced sensitivity with minimal background noise.



Stable

Compatible with a wide range of sample matrices.
Can be freeze-dried for maximum stability.



Guaranteed

Backed by our warranty, 40+ years in business and experienced technical support team.

Deploy & Detect with AmpliFire®

Bring your LAMP or any other isothermal test kits to the field with the portable, modular AmpliFire® Pro. Scalable from small-scale to high-throughput

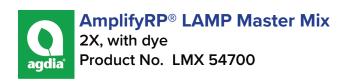


Why Choose AmplifyRP®?

With over 40 years of experience developing & validating hundreds of commercialized test kits across industries, we know diagnostics. We are your one-stop shop for contract development, scale-up and manufacturing.

Want shelf-stable, field-deployable reagents? Our lyophilization-ready formulation for AmplifyRP® LAMP Master Mix beats the competition when freeze-dried for maximum stability.







Intended Use:

AmplifyRP® LAMP Master Mix is a ready-to-use solution for real-time isothermal detection of DNA targets. For detection of RNA targets, you must add reverse transcriptase (not included). This solution is lyophilization-ready. Contact us if you are interested in lyophilization (freezedrying) services for improved stability of your final product.

Dye Channel: FAM

Storage:

The master mix should be stored frozen (-10 to -30 °C).

Contents of Kit:

· 2X Master Mix

Not Included but Required:

- · LAMP Primers
- Fluorometer for real-time analysis (ex: AmpliFire)
- Pipettes
- Reverse Transcriptase (If detecting RNA targets)

Recommended Running Conditions

Note: Turn on and set up fluorometric reader before preparing solutions.

10X Primer Stock		
Primer	Concentration	
Outer Primers	2 μΜ	
Inner Primers	16 μΜ	
Loop Primers	4 μΜ	

Reaction Mix Conditions				
Reagent	Volume	Volume	Final Concentration	
2X Agdia LAMP Mix	12.5 μL	12.5 μL	1X	
10X Primers	2.5 μL	2.5 μL	1X	
RT (200 U/μL)	0.25 μL	-	50 Units	
Sample DNA	-	1 - 5 μL	variable	
Sample RNA	1 - 5 μL	-	variable	
Water	to 25 μL	to 25 μL	-	

AmpliFire® Operation

- 1. Turn on the AmpliFire.
- Scan the QR code generated with Agdia AmpliCode™, https://amplicode.agdia.com/.
 A QR code can be found to the right to run the machine at 65° C for 20 minutes with FAM detection.
- 3. (Optional) Label run and sample.
- 4. Prepare the reaction mix above and aliquot to 0.2 mL optically clear PCR tubes.
- 5. Add samples the reaction tube wall.
- 6. Thoroughly mix reaction and spin to collect liquid in the bottom of the tube.
- Place reactions into the AmpliFire and press start.



This is a generic barcode to run at 65 °C for 20 minutes on the FAM channel of the AmpliFire.

Limitations

Contamination: LAMP is extremely sensitive, avoid contamination by discarding completed reactions and not opening reaction tubes.

Light Sensitive: The 2X master mix is light sensitive.

Freeze-Thaw: Aliquot to limit number of freeze-thaw cycles. Keep on ice during use.

In vitro: For in vitro use only.

Questions or Technical Support

Phone: 800-622-4342 (toll-free) or 574-264-2014

Fax: 574-264-2153

E-mail: <u>info@agdia.com</u> for sales and general product information

techsupport@agdia.com for technical information and

troubleshooting

Web: <u>www.agdia.com</u>

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