

HelixAmp™

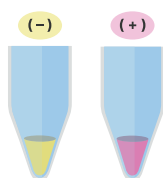
Color LAMP / RT-LAMP Lyo-Cake

HelixAmp™ Color LAMP/RT-LAMP Lyo-Cake enables rapid detection of target DNA or RNA through loop-mediated isothermal amplification (LAMP).

These kits use a pH-sensitive dye to provide clear visual confirmation of amplification. The lyophilized formulation ensures stability for room-temperature storage and transport.

Each cake contains RTase*, *Bst* DNA polymerase, a pH-sensitive dye, and excipients for lyophilization. With an appropriate LAMP primer set, detection can be achieved within 20–40 minutes, indicated by a distinct color change.

*Only for Color RT-LAMP Lyo-Cake



Distinct Color Change
Immediate visual confirmation of results

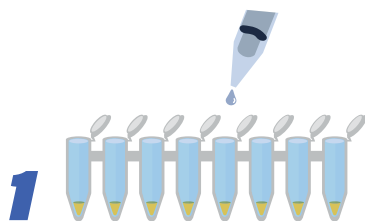


Lyophilized Formulation
Long-term stability at RT with easy storage and transport

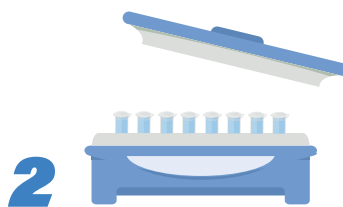


POC-Compatible Solution
Rapid results with minimal equipment

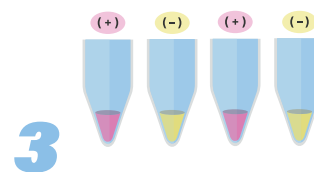
Easy-3-Step Protocol



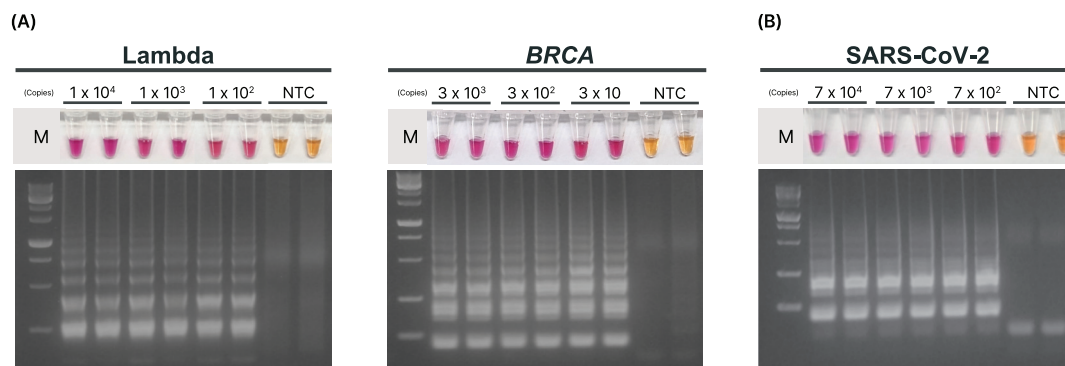
1 Add resuspension solution, template, and primers into Color LAMP Lyo-Cake tube and mix.



2 Incubate at the recommended temperature for 20–40 minutes.
LAMP: 65°C / RT-LAMP: 60°C



3 Check the result by observing the color change.



Each assay was performed at the recommended temperature for each product using DNA or RNA templates with the corresponding target-specific primers. Positive reactions showed a clear color change from yellow to pink, while negative reactions remained yellow, indicating no amplification. Agarose gel electrophoresis confirmed that only the samples showing a color change contained the correctly amplified target sequence. (A) HelixAmp™ Color LAMP Lyo-Cake (incubated at 65°C), (B) HelixAmp™ Color RT-LAMP Lyo-Cake (incubated at 60°C)

Ordering Information

Product		Size	Cat. No.
HelixAmp™	Color LAMP Lyo-Cake	96 rxns	LPSP-L-C96
HelixAmp™	Color RT-LAMP Lyo-Cake	96 rxns	LPSP-R-C96