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NEB launches LyoPrime Luna RT-qPCR Master Mix

10 February 2022 | News

New LyoPrime Luna Probe One-Step RT-qPCR Mix with UDG increases flexibility while retaining performance



New England Biolabs (NEB) has announced the release of its first lyophilized product manufactured by Fluorogenics: the LyoPrime Luna Probe One-Step RT-qPCR Mix with UDG.

This lyophilized master mix exhibits the same versatile features and strong performance of the previously released liquid 4X mix and enables sensitive, linear real-time detection of target RNA sequences now in a room temperature-stable format.

When compared to the liquid Luna Probe One-Step 4X RT-qPCR Mix with UDG, as well as similar commercially available one-step RT-qPCR products, using NEB's distinct "dots in boxes" scoring method — a high-throughput data visualization tool that provides quality scores for qPCR outcomes — the performance of the lyophilized LyoPrime Luna RT-qPCR master mix strongly matched the liquid version and outperformed many competitor products.

Other essential components of the LyoPrime Luna RT-qPCR master mix include Luna WarmStart® Reverse Transcriptase and Hot Start *Taq* DNA Polymerase, for optimized specificity and robustness, in addition to room temperature setup after resuspension.

The LyoPrime Luna RT-qPCR master mix represents NEB's first lyophilized product since the company's acquisition of Fluorogenics Limited in 2021.