

# Thermostable reverse transcriptase, 10/15

**New England Biolabs has released WarmStart RTx Reverse Transcriptase**, a novel, thermostable reverse transcriptase, specifically designed for nucleic acid detection.

“WarmStart RTx is an in silico-engineered thermostable reverse transcriptase, designed by our researchers for speed, sensitivity, and inhibitor resistance in reverse transcription loop-mediated isothermal amplification (RT-LAMP), RT-PCR, and other applications where the detection of low quantities of target RNA from complex sample matrices is critical,” Sir Richard Roberts, chief scientific officer, said in a statement.

WarmStart RTx is reversibly inhibited at room temperature and is activated when warmed above 40°C, enabling researchers to set up their reactions at room temperature with no background reverse transcriptase activity. Maximum activity is reached at 55°C, enabling high-temperature cDNA synthesis. This results in more consistent target detection across different RNA targets.

[\*\*New England Biolabs\*\*](#), 978-927-5054