

Improved RNA stability and integrity for better RNAseq data

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The stability and integrity of RNA samples destined for RNAseq analysis is pivotal to the quality of results. Although well trained laboratory researchers go to great lengths to ensure the stability of valuable samples, purified RNA is still subject to degradation. Here we demonstrate the instability of extracted RNA and describe the use of Active Chemical Protection™ (ACP) technology to protect RNA at critical stages of the workflow. ACP eliminates the risk of RNA degradation even when the samples are exposed to room temperature for days or exposed to nuclease contamination. Active Chemical Protection™ is easily incorporated into any commercial RNA extraction protocols and is compatible with all common downstream analysis methods, such as PCR, qPCR, library prep and RNAseq.