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RNaseReveal™ Activity Assay Kit

Fluorescent assay for sensitive detection of RNase activity in liquid samples. Ideal for detecting RNase contamination in quality control workflows.



Product attributes

Excitation/Emission	496/516 nm
Storage Conditions	Store at -10 to -35 °C

Product Description

The RNaseReveal™ Activity Assay Kit is a fluorescent assay for the detection of RNase activity in liquid samples. The buffer and substrate have been formulated for maximum sensitivity, making it a useful tool for detecting RNase contamination in quality control workflows. Biotium also offers RNase A (Cat. No. 99871-600uL) as a separate product that is recommended for use with this kit.

The kit utilizes RNaseReveal™ Substrate which is an RNA probe tagged with a green fluorophore and a quencher, so that the intact probe is non-fluorescent. In the presence of RNase, the probe is cleaved and the fluorophore is detached from the quencher, releasing a green fluorescent signal. The lower limit of detection of RNase in the assay is ~ 0.08 pg, using Biotium's RNase A (Cat. No. 99871-600uL) at ≥50 U/mg (Kunitz units). Full substrate cleavage is achieved with ~ 800 pg of the same RNase A. The excitation and emission maximum of the substrate is 496/516 nm. The substrate can be detected by any fluorescence plate reader or fluorometer capable of detecting green fluorescence. Biotium also offers RNase A (Cat. No. 99871-600uL) for use with this kit.

Learn more about Biotium's unique products for RNA workflows, including RNA extraction kits, quantitation kits, and RNA stains for gel electrophoresis.

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Product link: https://biotium-woo.supremeclients.com/product/rnasereveal-activity-assay-kit/