Tinzyme Co., Limited

Email: sales@tinzyme.com Website: www.tinzyme.com
Tel: +86-755-86134126 WhatsApp/Facebook/Twitter: +86-189-22896756

RNA HS Assay Kit

Product Number: PC12701

Shipping and Storage

Transport at room temperature. Store at 2–8℃ in a dry and dark place. The shelf life is 12 months.

Component

Component	Concentration	100T
RNA HS Buffer	1×	50mL
RNA HS Standard 1	0ng/μL (in TE buffer)	1mL
RNA HS Standard 2	10ng/μL (in TE buffer)	1mL
RNA Reagent	200×	0.25mL

Description

The RNA HS Assay Kit features high sensitivity, excellent tolerance, simple operation and wide applicability. This kit consists of assay buffer, RNA standards and nucleic acid dye. For experiments, simply prepare the working solution, then measure the RNA concentration using a fluorometer. The assay is performed at room temperature (22–28℃ is the optimal temperature for kit performance). This kit shows strong tolerance to common contaminants including salts, free nucleotides, solvents, detergents and proteins.

Compatible Fluorometers

Qubit 2.0 Fluorometer; Qubit 3 Fluorometer; Qubit 4 Fluorometer; Flex Fluorometers; Microplate Reader.

Protocol

1. Fluorometer Calibration with Standards

You may perform a new calibration for each test or use previously saved calibration data. Routine calibration is recommended every two weeks. Calibration is mandatory whenever a new kit is used.

2. Preparation of Working Solution.

2.1. Pipette 199μL of RNA HS Buffer per test into a plastic EP tube, then add 1μL of RNA Reagent per test. Vortex thoroughly to mix.

Note: Reagents tend to adsorb to glass surfaces. Prepare the working solution in plastic containers (PP EP tubes or centrifuge tubes are recommended). Wrap the prepared working solution with aluminum foil or store it in the dark, and keep it at 2–8℃ away from light.

3. Preparation of Samples and Standards

3.1. Use 0.5mL thin-walled transparent assay tubes.Two standards are required for this assay.

3.2. Label the tube caps clearly for standard tubes and sample tubes.

3.3. Add 10μL of RNA HS Standard 1 and Standard 2 to the corresponding standard tubes respectively.

3.4. Add 1–20μL of sample to each sample tube.

3.5. Add the prepared RNA HS Working Solution to each tube to bring the final volume to 200μL.

Note: Add 190μL of Working Solution to each standard tube, add 180–199μL of Working Solution to each sample tube, do not mix solutions in glass containers.

3.6. Vortex for 5 seconds gently (avoid foaming), then perform a brief centrifugation.

3.7. Incubate all tubes at room temperature for 2 minutes.

4. Quantitative Detection

Turn on the fluorometer, select the RNA HS program, run the assay and record the results. Refer to the user manual of your

specific fluorometer for detailed operations.

5. Result Analysis