

Aldehyde Fluorometric Assay Kit

Cat. No. Kit-0071 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Aldehyde Assay Kit (Fluorometric) is a fluorescent assay for the quantification of aldehydes in a variety of applications.
Description	The formation, reactivity and toxicity of aldehydes originating from the peroxidation of lipids of cellular membranes have received great attention in recent years. Rapid and accurate measurement of aldehydes is an important task for biological research, chemical research, food industry and environmental pollution surveillance. There are a few reagents or assay kits available for quantifying the number of aldehydes. Most of the existing aldehyde test methods are based on separations either by the tedious and expensive HPLC-MS or GC-MS.
Applications	Aldehyde Assay Kit (Fluorometric) is used for quantifying aldehydes at higher pH. This kit uses a fluorogenic dye that generates a strongly fluorescent product upon reacting with an aldehyde.
Usage	For research use only (RUO)
Storage	Keep at -20°C. Avoid exposure to light.
Kit Components	Component A: AldeLight Blue 1 vial Component B: Assay Buffer 30 mL Component C: Reaction Buffer 6 mL Component D: Aldehyde Standard 1 vial Component E: DMSO 100 µl
Detection method	Fluorometric

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Features & Benefits

Broad Application: Used for quantifying aldehydes in a variety of applications, such as enzyme reactions. Sensitive: Detect as little as 0.3 nanomole of aldehyde in a 100 μ assay volume. Continuous: Easily adapted to automation without a separation step. Convenient: Formulated to have minimal hands-on time. Non-Radioactive: No special requirements for waste treatment.

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