

Aldehyde Assay Kit

Cat. No. Kit-0069 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Aldehyde Assay Kit is a colorimetric assay for the quantification of aldehydes in a variety of applications with absorbance at 405 nm or 550 nm.
Description	Very reactive aldehydes, namely 4-hydroxyalkenals, were first shown to be formed in autoxidizing chemical systems. It was subsequently shown that 4-hydroxyalkenals, particularly 4-hydroxynonenal, were formed in substantial amounts under biological conditions, i.e. during the peroxidation of lipids of liver microsomes incubated in the NADPH-Fe system. Many other aldehydes were also identified in peroxidizing liver microsomes or hepatocytes, e.g., alkanals, alk-2-enals, and 4-hydroxyalkenals.
Applications	Aldehyde Assay Kit is a colorimetric assay for the quantification of aldehydes in a variety of applications with absorbance at 405 nm or 550 nm.
Usage	For research use only (RUO)
Storage	Keep at -20°C. Avoid exposure to light.
Kit Components	Component A: AldeView Yellow 2 bottles Component B: Assay Solution 10 mL Component C: Aldehyde Standard 1 vial Component D: Dilution Buffer 20 mL
Detection method	Colorimetric
Features & Benefits	Broad Application: Can be used for quantifying aldehydes in a variety of applications such as carbohydrate, lipid chemistry, as well as enzyme reactions. Sensitive: Detect as low as 1 nanomole of aldehyde. Continuous: Easily adapted to automation without

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a separation step. Convenient: Formulated to have minimal hands-on time. No wash is required. Non-Radioactive: No special requirements for waste treatment.

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