Oxaloacetate Assay Kit

Cat. No. Kit-0638 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Oxaloacetate Assay Kit is a quantitative colorimetric/fluorimetric determination of oxaloacetate at OD570, FL530/585 nm.
Description	OXALOACETATE (OAA) is an intermediate in the citric acid cycle and participates in gluconeogenesis. OAA is formed by the oxidation of malate, by deamidation of aspartate or by condensation of CO2 with pyruvate or phosphoenolpyruvate. Oxaloacetate Assay Kit provides a simple, direct and automation-ready procedure for measuring oxaloacetate concentration. OAA is converted into pyruvate which is then oxidized with the conversion of the dye into a colored and fluorescent form. The color intensity of the oxidized dye at 570 nm or fluorescence intensity at λex/em = 530/585 nm is directly proportional to the oxaloacetate concentration in the sample.
Applications	Direct Assays: oxaloacetate in plasma, serum, tissue and culture media.
Usage	For research use only (RUO)
Storage	Store all kit components at -20 °C. Shelf life of six months after receipt.
Kit Components	Developer 10 mLDye Reagent 120 µODC Enzyme 120 µOxaloacetate Standard Dried
Detection method	Colorimetric, Fluorimetric
Compatible Sample Types	Culture Medium, Plasma, Serum, Tissue

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Features & Benefits	Sensitive and accurate. Linear detection range: 7 to 400 μM oxaloacetate for colorimetric assays and 1 to 40 μM for fluorimetric assays.

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