

Maleimide Assay Kit

Cat. No. Kit-0533 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Maleimide Assay Kit is a quantitative assay for the determination of maleimide groups.
Description	Maleimides can be directly assayed spectrophotometrically at 302 nm. However, the small extinction coefficient of 620 M-1cm-1 renders this assay insensitive, and the assay is further complicated by the protein absorbance at the same wavelength.
Applications	This colorimetric maleimide assay kit quantifies maleimide groups by first reacting a sample with a known amount of thiol present in excess and then assaying the remaining unreacted thiol using 4,4"-DTDP with a molar extinction coefficient of 19,800 M-1cm-1.
Usage	For research use only (RUO)
Storage	Store the kit at -20°C and avoid from light.
Kit Components	Component A: MEA 1 vial Component B: 4,4"-DTDP 1 vial Component C: Assay Buffer 50 mL Component D: DMSO 1 mL
Detection method	Colorimetric

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