

Maleimide Assay Kit

Product Information

Cat.No.

Kit-0533

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