

Sialic Acid Assay Kit

Cat. No. Kit-0783 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Sialic Acid Assay Kit is a quantitative determination of free and total sialic acid.
Description	SIALIC ACID is a general name for nine carbon acidic sugars with N- or O-substituted derivatives. The most common member of these sugars is N-acetylneuraminic acid (NANA). Sialic acid is widely distributed throughout mammalian tissues and fluids including serum. Sialylated oligosaccharides have been shown to exhibit antiviral properties and are also known to influence blood coagulation and cholesterol levels. The sialic acid level in body fluids is also an important marker for diagnosing cancer.
Applications	Direct Assays: sialic acid in biological samples (e.g. serum, plasma, saliva, milk).
Usage	For research use only (RUO)
Storage	Store the Standard at -20°C, all others at room temperature. Shelf life of six months after receipt.
Kit Components	Dye Reagent 6 mL10% TCA 5 mL DMSO 12 mL Oxidation Reagent 10 mL Hydrolysis Reagent 10 mL Standard: 10 mM Sialic Acid 500 MI
Detection method	Colorimetric, Fluorometric
Compatible Sample Types	Milk, Plasma, Saliva, Serum

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Features & Benefits

Sensitive and accurate: Use as little as 60 μ L samples. Linear detection range in 96-well plate: 5 to 1000 μ M sialic acid for colorimetric assays and 0.5 to 100 μ M for fluorimetric assays.

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