CREATIVE BIOMART®
Assay Kit

Sialic Acid Assay Kit

Product Information

Cat.No. Kit-0783

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 mLDMSO 12 mLOxidation Reagent 10 mLHydrolysis Reagent 10 mLStandard: 10 mM Sialic Acid 500 Ml

Detection method Colorimetric, Fluorometric

Compatible Sample Types

Milk, Plasma, Saliva, Serum

Features & Benefits

Sensitive and accurate: Use as little as 60 μL samples. Linear detection range in 96-well plate: 5

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to1000 μM sialic acid for colorimetric assays and 0.5 to 100 μM for fluorimetric assays.

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