

Sialic Acid (SA) Colorimetric Assay Kit

Cat No: HR3BC1130

For research use only

Overview

Detection Method	Colorimetric method
Storage	Reagent 1: -20°, Reagent 2: 2-8°
Instrument	Spectrophotometer(560 nm)
Assay Time	60 min
Validity	6
Assay Type	Quantitative
Sample Type	Serum, plasma, saliva, urine, hydrothorax, tissue, cells
Synonyms	SA
Instrument	Spectrophotometer(560 nm)
Detection Principle	Sialic acid forms a purplish red complex with methyl resorcinol in the presence of oxidant. And the absorbance conforms to Lambert-Beer's law. The content of sialic acid can be calculated by measuring the OD value at 560 nm. When detect tissue and cell samples, the protein concentration of the sample needs to be detected in addition (E-BC-K165, E-BC-K168, E-BC-K318 are recommended).
Reagents	Normal saline (0.9% NaCl), PBS (0.01 M, pH 7.4)
Labware	Micropipettor, Incubator, Vortex mixer, Centrifuge
Size	100 Assays
Sensitivity	0.022 mmol/L
Detection Range	0.022-7 mmol/L
Recovery Rate	95