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Sialic Acid Assay Kit

Catalogue No.: abx098454

Sialic Acid Assay Kit is an Assay Kit by Enzymatic Method.

Based on the bottle type, product model can be classified in to Hitachi 7170, Hitachi 7060, Hitachi 7020, Beckman, Toshiba, Mindray, DuPont, Innova, Siemens, KHB, Abbott, Universal types, etc

This product is used to determine sialic acid concentration in human serum.

N - acetyl neuraminic acid is formed from sialic acid in the sample under neuraminidase action. Then N - acetyl mannosamine and Pyruvic acid are produced under NANA - aldolase effect. Lactate dehydrogenase catalyzes the reaction between NADH and Pyruvic acid to generate L - lactic acid and NAD⁺. The concentration of sialic acid in the sample can be calculated by measuring the decrease rate of NADH absorbance.

R1: Reagent Composition	R2: Reagent Composition
Tris-HCl Buffer → 100 mmol/l	Tris-HCl Buffer → 100 mmol/l
Neuraminidase → >0.25 KU/L	NADH → >0.18 mmol/l
Lactate Dehydrogenase → > 3 KU/l	N-acetylneuraminic acid aldolase → >2.5 KU/L