Albumin (BCG) Assay Kit (Colorimetric)

Cat. No. Kit-1026 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Description	Albumin is the most abundant protein in human blood and is highly conserved among vertebrates. It plays a pivotal physiological role in maintenance of plasma osmotic pressure, vascular permeability, and transport of cholesterol, bile pigments, nitric oxide, metals, and other small molecules in the body. It also functions as a free radical scavenger of reactive oxygen and nitrogen species, triggers cell signaling processes, possesses anti-inflammatory and coagulatory effects. Albumin (BCG) Assay Kit is a simple high-throughput assay that detects Albumin concentration in serum. The assay is based on the selective interaction between Bromocresol Green (BCG) and Albumin forming a chromophore that can be detected at 620 nm. The signal is directly proportional to the amount of Albumin present in the serum. BCG does not react with other abundant plasma proteins like IgG. The assay can detect as low as 5 µg (0.01 g/dl) of albumin in serum samples.
Applications	Measurement of Albumin concentration in serum
Storage	-20°C
Shipping	Gel Pack
Size	100 assays
Kit Components	Albumin Assay Buffer; Bromocresol Green (BCG); Bovine Serum Albumin (BSA, 50 mg/ml)

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Target Species	Mammalian
Detection method	Absorbance (620 nm)
Features & Benefits	Simpleprocedure, High-throughput suitable; The assay can detect as low as 5 µg (0.01 g/dl) of albumin (BCG) in serum samples.

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