

Ascorbate Assay Kit

Cat. No. Kit-0104 Lot. No. (See product label)

SPECIFICATION

Product Overview	Ascorbate Assay Kit is a fluorescence-based method for assaying ascorbate.
Description	Ascorbate (L-Ascorbic acid or Vitamin C) is a six-carbon lactone that is synthesized from glucose in the liver of most mammalian species, but not by humans, non-human primates, and guinea pigs. These species do not have the enzyme gulonolactone oxidase, which is required for synthesis of the ascorbic acid immediate precursor 2-keto-1-gulonolactone. Therefore, humans must obtain ascorbate in their diet in order to survive. A lack of sufficient dietary ascorbate results in development of the fatal disease scurvy.
Usage	For research use only (RUO)
Storage	This kit will perform as specified if stored at -20°C and used before the expiration date.
Kit Components	Ascorbate Standard 2 vialsAscorbate Assay Buffer 1 vial/25 mlAscorbate DTPA 4 vials/500 μlAscorbate Substrate 2 vialsAscorbate Developer 2 vials96-Well Plate (black) 1 plate96-Well Cover Sheet 1 cover

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