

Vitamin C Assay Kit | VC assay kit

Vitamin C (VC) Colorimetric Assay Kit

CATALOG #
AAA177018

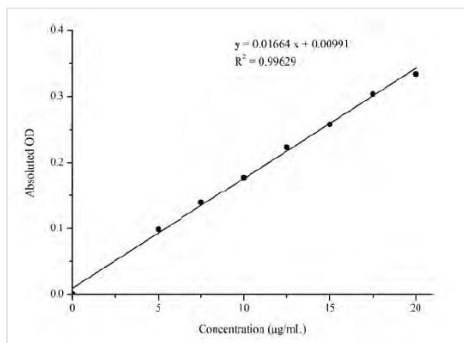
PRODUCT SYNONYMS

Vitamin C; Vitamin C (VC) Colorimetric Assay Kit; VC assay kit

PRODUCT SPECIFICATIONS

Samples	Serum, plasma, animal/plant tissue samples
Detection Range	0.31-20 ug/mL
Sensitivity	0.31 ug/mL
Intra-assay Precision	The intra-assay CV is 2.2%
Inter-assay Precision	The inter-assay CV is 6.1%.
Preparation and Storage	Store at 2-8 degree C. Valid for 12 months

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for VC assay kit

Principle of the Assay: The most obvious chemical activity of VC is that reduce Fe³⁺ to Fe²⁺, then promote iron absorption in the intestine, promote the storage and utilization of iron. Fe³⁺ react immediately with reducing ascorbic acid to form Fe²⁺. then Fe²⁺ react with phenanthroline and the color developing reaction occurs. The content of vitamin C in sample can be determined. Measure the OD value and calculate the VC content indirectly.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/vc-assay-kits/vitamin-c/177018>