

K-ASSAY[®]

Vitamin C Calibrator

Lot 1701, Exp. 2018-02-01

Cat. No. **KT-75001**

INTENDED USE

The **K-ASSAY**[®] Vitamin C Calibrator is intended to be used for the calibration of the **K-ASSAY**[®] Vitamin C assay. FOR RESEARCH USE ONLY IN THE U.S. NOT FOR USE IN DIAGNOSTIC PROCEDURES IN THE U.S.

SUMMARY

The calibrators in this kit contain known quantities of vitamin C. These calibrators are to be used with the **K-ASSAY**[®] Vitamin C assay.

KIT COMPOSITION

KT-75001 Vitamin C Calibrator
Vitamin C Calibrator 6 x 1.0 mL
Contains Metaphosphoric Acid

WARNINGS AND PRECAUTIONS

For Research Use Only in the U.S. Not For Use in Diagnostic Procedures in the U.S.

Not to be used internally in humans or animals. Normal precautions exercised in handling laboratory reagents should be followed.

Do not pipette by mouth. Avoid ingestion and contact with skin.

Do not mix or use calibrators from one test kit with those from a different lot number.

Do not use calibrators past their expiration date stated on each container label.

Calibrators in this kit contain metaphosphoric acid, a corrosive material. It may cause skin burns or eye damage and is also harmful to aquatic life. Wear protective clothing including glasses and gloves and handle with care.

CALIBRATOR PREPARATION

The calibrators must be thawed and warmed to room temperature prior to use. Gentle mixing prior to use is recommended.

STORAGE AND HANDLING

The Vitamin C Calibrator should be stored frozen (-20°C). Unopened calibrators can be used for 12 months from date of manufacture, as indicated by the expiration date on package and bottle labels. Opened calibrators are stable for 24 hours if kept at 2-8°C and should not be re-frozen.

CALIBRATOR STABILITY

Discard calibrators if they become contaminated. Evidence of cloudiness or particulate material in solution is cause to discard.

INSTRUMENT

Measurements of absorbance are to be made with a clinical chemistry analyzer able to accurately read absorbance at 660 nm and optional secondary wavelength of 700nm. Refer to the instrument manual from the manufacturer regarding the following:

- Use or function
- Installation procedures and requirements
- Principles of operation
- Performance characteristics, operating instructions
- Calibration procedures including materials and / or equipment to be used
- Operational precautions, limitations, and hazards
- Service and maintenance information

PROCEDURE

Materials Supplied

Calibrators should be used as specified in the **K-ASSAY**[®] Vitamin C assay package insert.

KT-75001 Vitamin C Calibrator
Vitamin C Calibrator 6 x 1.0 mL

Materials Required But Not Supplied

K-ASSAY[®] Vitamin C assay, Cat. No. KT-75000

Isotonic Saline

Two-Reagent Clinical Chemistry Analyzer:
Capable of accurate absorbance reading at 660 nm
Capable of accurately dispensing the required volumes
Capable of maintaining 37°C

Details of Procedure

NOTE: Allow reagents and specimens to come to room temperature. Mix all reagents gently before using.

K-ASSAY[®] Vitamin C Calibrators are assayed using the same procedure as the samples run in the test procedure. See package insert from the **K-ASSAY**[®] Vitamin C assay.

INTERFERENCE

Dust particles or other particulates in the reaction may result in extraneous light-scattering resulting in variable results.











CALIBRATOR VALUES

Lot 1701

Vitamin C 5.00 mg/dL

The values for **K-ASSAY**® Vitamin C Calibrator Set are continually being revised through on going quality assurance. As a result, the expected values may change from lot to lot. Please refer to the package insert for each lot for the exact calibrator values.

LABELING SYMBOLS

	Lot Number
	Reagent
	Calibrator
	Expiration or "Use By" Date
	Catalog Number
 -20°C	Temperature Limitation. Store at -20 degrees C
	Corrosive
	Manufacturer
	Consult Package Insert for Instructions for Use
	Authorized Representative in the European Community

EU AUTHORIZED REPRESENTATIVE





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