

**K-ASSAY**<sup>®</sup>

# Apo E Calibrator

Lot A123, Exp. 2025-02-28

Cat. No. KAI-025C

**INTENDED USE**

The **K-ASSAY**<sup>®</sup> Apo E Calibrator is intended to be used for the multi-point calibration of the **K-ASSAY**<sup>®</sup> Apo E immunoturbidimetric assay. FOR RESEARCH USE ONLY IN THE U.S. NOT FOR USE IN DIAGNOSTIC PROCEDURES IN THE U.S.

**SUMMARY**

The calibrator in this kit is human serum containing known quantities of apolipoprotein E. There is also a diluent solution (saline solution) for making a series of dilutions. These are to be used to make a multi-point calibration curve for the **K-ASSAY**<sup>®</sup> Apo E immunoturbidimetric assay.

**KIT COMPOSITION**

Lyophilized Human Serum      1 x 1 mL  
Diluent (saline solution)      2 x 2 mL

**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 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.

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

The calibrator and diluent contain < 0.1% w/v sodium azide as a preservative. Sodium azide may form explosive compounds in metal drain lines. When disposing of calibrator or diluent through plumbing fixtures, flush with copious amounts of water. For further information, refer to "Decontamination of Laboratory Sink Drains to Remove Azide Salts," in the Manual Guide-Safety Management No. CDC-22 issued by the Center for Disease Control, Atlanta, GA.

Calibrator contains human serum that was tested and found negative for HBsAg and HIV antibodies by an FDA approved method. However, all products that contain human source material should be handled in accordance with good laboratory practices and appropriate control. See the National Institute of Health Manual, "Biosafety in Microbiology and Biomedical Laboratories," 2nd ed., 1988.

**K-ASSAY**<sup>®</sup> Apo E Calibrator**CALIBRATOR PREPARATION**

1. Add exactly 1 mL of purified water to the vial containing the lyophilized serum to dissolve.
2. Prepare 5 calibrators using the dissolved serum and diluent according the following protocol:

	B	C	D	E	F
Dilution	1/10	2/10	4/10	6/10	1
Dissolved serum (μL)	50	100	200	300	350
Diluent (μL)	450	400	300	200	0
Total (μL)	500	500	500	500	350

3. A multi-point calibration curve for apolipoprotein E can be made using the 5 diluted calibrators and diluent solution (0 mg/dL). Apolipoprotein E calibrator values are obtained by multiplying the dilution by the appropriate calibrator value of the reconstituted serum.

**STORAGE AND HANDLING**

All calibrators should be stored refrigerated (2-8°C). Return all calibrators to 2-8°C promptly after use. Unopened calibrators can be used for up to 18 months from the date of manufacture, as indicated by the expiration date on the package and bottle labels.

**CALIBRATOR STABILITY**

Opened and reconstituted calibrators can be used for 3 days if stored at 2-8°C and tightly capped. Discard calibrators if they become contaminated. Evidence of cloudiness or particulate material in solution is cause to discard.

It is recommended that the diluted calibrators are used the same day as preparation.

Calibrators transferred to the instrument sample cup may concentrate over time. Therefore, calibrators should be capped and stored at 2-8°C when not in use. Otherwise, fresh calibrators should be used for each calibration.

**PROCEDURE****Materials Supplied**

Calibrator should be used as specified in the **K-ASSAY**<sup>®</sup> Apo E immunoturbidimetric assay package insert.

Lyophilized Human Serum      1 x 1 mL  
Diluent                                      2 x 2 mL

## Materials Required But Not Supplied

**K-ASSAY**® Apo E immunoturbidimetric assay

Purified water

## Details of Procedure

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

**K-ASSAY**® Apo E Calibrators are assayed using the same procedure as the samples run in the test procedure. See package insert from the **K-ASSAY**® Apo E immunoturbidimetric assay.

## CALIBRATOR VALUES

### Lot A123

Concentration of lyophilized serum, reconstituted with 1 mL of purified water (undiluted):










Apo E (mg/dL)
12.7

After reconstitution and dilution:

Calibrators A-F, values given in mg/dL						
	A	B	C	D	E	F
Apo E	0.0	1.3	2.5	5.1	7.6	12.7

The expected values for the **K-ASSAY**® Apo E Calibrator are continually being revised through ongoing 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

-  Catalog Number
-  Expiration or "Use By" Date
-  Lot Number
-  Consult Package Insert for Instructions for Use
-  CE Mark Registered
-  Potential Human Biohazard
-  2°C / 8°C Temperature Limitation.  
Store between 2 and 8 degrees C
-  Manufacturer
-  Authorized Representative in the European Community

## EU AUTHORIZED REPRESENTATIVE



EC REP

### Advena Ltd.

Tower Business Centre, 2<sup>nd</sup> Flr.,  
Tower Street, Swatar, BKR 4013 Malta

## ORDERING / PRICING / TECHNICAL INFORMATION



### KAMIYA BIOMEDICAL COMPANY

12779 Gateway Drive  
Seattle, WA 98168 USA  
TEL: (206) 575-8068 / (800) 526-4925  
FAX: (206) 575-8094

Printed August 2023