

ARK™ Lacosamide Calibrator

This ARK Diagnostics, Inc. package insert for the ARK Lacosamide Calibrator must be read carefully prior to use. Package insert instructions must be followed accordingly. Reliability of the assay results cannot be guaranteed if there are any deviations from the instructions in this package insert. The ARK Lacosamide Assay test system includes separately provided test kits for the ARK Lacosamide Assay, ARK Lacosamide Calibrator and ARK Lacosamide Control.

CUSTOMER SERVICE

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KEY TO SYMBOLS USED

	Batch code	 YYYY-MM-DD	Use by/Expiration date
	Catalog Number		Manufacturer
	Authorized Representative		CE Mark
	Consult Instructions for Use		Calibrator
	Temperature limitation		<i>In Vitro</i> Diagnostic Medical Device
Rx Only	For Prescription Use Only		

1 NAME

ARK™ Lacosamide Calibrator

2 INTENDED USE

ARK Lacosamide Calibrator is intended for use in calibration of the ARK Lacosamide Assay.

3 CONTENT

ARK Lacosamide Calibrator is comprised of a synthetic protein matrix with the following concentrations of lacosamide:

REF	Product Description	Quantity/Volume
5033-0002-00	ARK Lacosamide Calibrators* Lacosamide, buffer, bovine serum albumin, and sodium azide	Dropper vials
	A	0.00 µg/mL
	B	0.75 µg/mL
	C	2.00 µg/mL
	D	5.00 µg/mL
	E	12.00 µg/mL
F	25.00 µg/mL	

*To convert results from µg/mL lacosamide to µmol/L lacosamide, multiply µg/mL by 3.995. Lacosamide levels become 3.00, 7.99, 19.98, 47.94, and 99.88 µmol/L for Calibrators B to F respectively.

The measurement range of the ARK Lacosamide Assay is 0.50 – 24.00 µg/mL.

4 STANDARDIZATION

There is no internationally recognized standard for lacosamide. ARK Lacosamide Calibrators are prepared by volumetric dilution of high purity lacosamide (Cerilliant) into a synthetic proteinaceous matrix free of lacosamide. The ARK Lacosamide Calibrator is traceable to a certified reference standard (Cerilliant) and the uncertainty in the lacosamide concentration is 5% relative to the concentration in the certified reference standard.

5 WARNINGS AND PRECAUTIONS

- For In Vitro Diagnostic Use. For prescription use only.
- Do not mix calibrators from different lot numbers.
- Use each lot as a set.
- Calibrators contain ≤0.09% sodium azide.

6 INSTRUCTIONS FOR USE

- For a complete summary and explanation of the lacosamide assay, refer to the package insert for the ARK Lacosamide Assay.
- Calibrators are ready to use. Mix each level by gentle inversion before dispensing.
- Squeeze sufficient volume (~40 µL/drop) into individual sample cups for each level. Consult instrument-specific sample volume requirements. Return caps to their original containers and keep tight.
- Store at 2-8°C. Use prior to the expiration date. Once opened vials may be stored at 2-8°C for 12 months within the expiration date.

7 PROCEDURE

Calibration

Perform a calibration using the ARK Lacosamide Calibrators A, B, C, D, E, and F. Verify the calibration curve with quality controls according to the established laboratory quality assurance plan.

When to Re-Calibrate

- Whenever a new lot number of reagents is used
- Whenever indicated by quality control results
- Whenever required by standard laboratory protocols

A stored calibration curve was effective up to at least 14 days based on supporting data.

8 LIMITATIONS OF PROCEDURE

Accurate and reproducible results are dependent upon properly functioning instruments, reagents, calibrators, controls, storage of product as directed, and good laboratory technique. All quality control requirements and testing should be performed in conformance with local, state and/or federal regulations or accreditation requirements.

9 TRADEMARKS

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