

This ARK Diagnostics, Inc. package insert for the ARK Meperidine 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.

Report any serious incident that has occurred in relation to the device to the manufacturer and the appropriate competent authority as applicable.

Customer Service







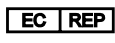


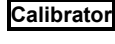



48089 Fremont Blvd
 Fremont, CA 94538 USA
 Tel: 1-877-869-2320
 Fax: 1-510-270-6298
 customersupport@ark-tdm.com
 www.ark-tdm.com
 SRN: US-MF-000023925



EC REP

Emergo Europe
 Westervoortsedijk 60
 6827 AT Arnhem
 The Netherlands

Key to Symbols Used

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

© 2025, ARK Diagnostics, Inc.

Calibrator Kit  5039-0002-00

Negative Kit  5039-0002-01

Cutoff Kit  5039-0002-02

1 Name

ARK™ Meperidine Calibrator

2 Intended Use

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

3 Content

The ARK Meperidine Calibrator is composed of a non-sterile, processed human urine matrix with the following concentrations of meperidine. Negative and Cutoff calibrators may be obtained separately for qualitative analysis.

REF	Product Description	Quantity/Volume	
5039-0002-00	ARK Meperidine Calibrator Meperidine, human urine, stabilizer and sodium azide	Dropper Vials	
	A	0 ng/mL	1 X 10 mL
	B	100 ng/mL	1 X 10 mL
	C	200 ng/mL	1 X 10 mL
	D	500 ng/mL	1 X 10 mL
	E	1000 ng/mL	1 X 10 mL

REF	Product Description	Quantity/Volume
5039-0002-01	ARK Meperidine Calibrator A (Negative) Human urine, stabilizer and sodium azide	Dropper Vials
	Negative	0 ng/mL

REF	Product Description	Quantity/Volume
5039-0002-02	ARK Meperidine Calibrator B (Cutoff) Meperidine, human urine, stabilizer and sodium azide	Dropper Vials
	Cutoff	100 ng/mL

4 Standardization

There is no internationally recognized standard for meperidine. A certified solution of meperidine is traceable to HPLC. ARK Meperidine Calibrators are prepared by volumetric dilution of high purity meperidine into non-sterile, processed human urine free of meperidine.

Calibrators are made with non-sterile, processed human urine free of meperidine. Donors were non-reactive in tests for HIV 1/2, HBsAg, HCV, HIV-1 (NAT), HCV (NAT) and RPR.

5 Warnings and Precautions

- For *In Vitro* Diagnostic Use. For prescription use only.
- Harmful if swallowed.
- Contains human urine. Handle as potentially infectious.
- Do not mix calibrators from different lot numbers.
- Use each lot as a set.
- Product contains $\leq 0.09\%$ sodium azide. As a precaution, affected plumbing including instrumentation should be flushed adequately with water to mitigate the potential accumulation of explosive metal azides.

6 Instructions For Use

- For a complete summary and explanation of the Meperidine Assay, refer to the package insert for the ARK Meperidine Assay.
- Calibrators are ready to use. Mix each level by gentle inversion before dispensing.
- Squeeze sufficient volume ($\sim 40\mu\text{L}/\text{drop}$) into individual sample cups for each level. Consult instrument-specific sample volume requirements. Return caps to their original containers and keep tight.
- Store vials at 2-8°C. Once opened, use within 12 months and prior to the expiration date.

7 Procedure

Qualitative Results

Use the 100 ng/mL Calibrator B as a Cutoff Calibrator to distinguish negative and positive samples. Run the ARK Meperidine Low (75 ng/mL) and High (125 ng/mL) Controls as Negative and Positive respectively. Report test results less than the response value for the Cutoff Calibrator as Negative. Report test results equal to or greater than the response value for the Cutoff Calibrator as Positive.

Semiquantitative Results

Perform a 5-point calibration procedure; run calibrators in duplicate. Verify the calibration curve with the ARK Meperidine Low (75 ng/mL) and High (125 ng/mL) quality controls according to the established laboratory quality assurance plan. Specimens with sample results above the highest ARK Meperidine calibrator level (1000 ng/mL) may be diluted in ARK Meperidine Calibrator A (Negative urine) and retested.

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 32 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.

9 Trademarks

ARKTM is a trademark of ARK Diagnostics, Inc.

Other brand or product names are trademarks of their respective holders.



ARK Diagnostics, Inc.
Fremont, CA 94538 USA

Revised July 2025
1600-0874-00 Rev 03