

ARK™ Linezolid Control

This ARK Diagnostics, Inc. package insert for the ARK Linezolid Control 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 Linezolid Assay test system includes separately provided test kits for the ARK Linezolid Assay, ARK Linezolid Calibrator and ARK Linezolid Control.

Report any serious incident that has occurred in relation to the device to the manufacturer and the appropriate competent authority as applicable. A Summary of Safety and Performance is available through Eudamed (European database on medical devices), SRN: US-MF-000023925.

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



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		Quality Control
	Temperature limitation		In Vitro Diagnostic Medical Device
Rx Only	For Prescription Use Only		

1 Name

ARKTM Linezolid Control

2 Intended Use

The ARK Linezolid Control is an assayed quality control material intended for use in quality control of the ARK Linezolid Assay.

3 Content

The ARK Linezolid Control is an assayed control comprised of a synthetic protein matrix with the following target concentrations of linezolid:

REF	Product Description	Quality Control
5034-0003-00	ARK Linezolid Control* (4 mL) Linezolid, buffer, bovine serum albumin, and sodium azide	Expected Range (Mean µg/mL)
	LOW (2.0 µg/mL)	1.6 – 2.4
	MID (10.0 µg/mL)	8.0 – 12.0
	HIGH (20.0 µg/mL)	16.0 – 24.0

*To convert results from µg/mL linezolid to µmol/L linezolid, multiply µg/mL by 2.964. Linezolid levels become 5.93, 29.64 and 59.28 µmol/L for LOW, MID and HIGH respectively.

Value Assignment: Testing is performed with the ARK Linezolid Assay on the Beckman Coulter AU680 automated analyzer, calibrated with the ARK Linezolid Calibrator. Two calibrated runs are performed using five replicates of each level per run. Mean values (10 replicates) for the test lots are expected to result within 10% of the nominal concentration. Expected control ranges are set to be +/- 20% from mean values.

Each laboratory should establish its own ranges for each new lot of controls based on its own test system and criteria.

4 Standardization

There is no internationally recognized standard for linezolid. ARK Linezolid Controls are prepared by gravimetric dilution of high purity linezolid (traceable to HPLC) into a synthetic proteinaceous matrix free of linezolid.

5 Warnings and Precautions

- For *In Vitro* Diagnostic Use. For prescription use only.
- Do not mix controls from different lot numbers.
- Use each lot as a set.
- Controls contain $\leq 0.09\%$ sodium azide.

6 Instructions For Use

- For a complete summary and explanation of the linezolid assay, refer to the package insert for the ARK Linezolid Assay.
- Controls 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 at 2-8°C. Once opened, use within 12 months and prior to the expiration date.

7 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.

8 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

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