LZI Cannabinoids (cTHC) 50 Calibrators

IVD For In Vitro Diagnostic Use Only

2°C 8°C

Lin-Zhi International, Inc.

REF	Description	Quantity
0002c	Cannabinoids (cTHC) Negative Calibrator	1 x 5 mL
0073c	Cannabinoids (cTHC) 25 ng/mL Calibrator	1 x 5 mL
0075c	Cannabinoids (cTHC) 50 ng/mL Calibrator	1 x 5 mL
0076c	Cannabinoids (cTHC) 75 ng/mL Calibrator	1 x 5 mL
0077c	Cannabinoids (cTHC) 100 ng/mL Calibrator	1 x 5 mL

Intended Use

The Lin-Zhi International, Inc. (LZI) Cannabinoids (cTHC) Drug of Abuse Calibrators are for use as calibrators in the qualitative and semi-quantitative calibration of the LZI Cannabinoids (cTHC) Enzyme Immunoassay (Ref# 0070c/0071c) on a number of automated clinical chemistry analyzers.

Description of the Calibrators:

The LZI Cannabinoids (cTHC) Calibrators are human urine-based liquids, and ready to use. The Cannabinoids (cTHC) Negative Calibrator is a processed drug-free human urine matrix containing buffers, stabilizers, and 0.09% of sodium azide. The calibrators are prepared by spiking known concentrations of 11-nor-Δ^9-THC-9-COOH into the Cannabinoids (cTHC) Negative Calibrator matrix. Throughout this insert cTHC is referenced as an abbreviation for 11-nor-Δ^9-THC-9-COOH.

*****Actual concentrations of these calibrators are confirmed by GC/MS or LC/MS. Values are provided only as guidelines and laboratories should determine the ranges based on their own test system and tolerance (2).

Precautions and Warning

- *The LZI Cannabinoids (cTHC) Calibrators are for in vitro diagnostic use only. Harmful if swallowed.*
- *The calibrators contain sodium azide, which may react with lead or copper plumbing to form potentially explosive metal azide. When disposing of such liquids always flush with a large volume of water to prevent azide build-up.*
- *The calibrators are prepared from non-sterile human urine. They are not tested by licensed reagents for the presence of antibodies to human immunodeficiency viruses, hepatitis antigens, and/or anti-hepatitis antibodies. They should be handled as potentially infectious. Always apply good laboratory practices to avoid any skin contact or ingestion.*
- *Do not use the calibrators beyond their expiration dates.*

Preparation and Storage

The calibrators are provided ready-to-use. No reconstitution is required. Label the cap before removal to identify it with the original bottle. The calibrators should be stored refrigerated at 2-8ºC when not in use.

Stability

When stored refrigerated at 2-8ºC, the calibrators are stable either opened-recapped or unopened until the expiration date printed on the vial label. Real-time open-recapped vial stability studies when stored refrigerated, indicate that expiration dates are at least 18 months from the production date. Real-time closed vial stability studies are currently at 60 days of storage and continue to be monitored. Accelerated studies for closed vial stability indicate that expiration dates should be at least 18 months from the production date. Store calibrators tightly capped when not in use. Calibrator solution dispensed in the sample cups and left onboard the clinical analyzer should be discarded after use.

Procedure and Results

For qualitative calibration, use the 50 ng/mL as your cutoff calibrator. For semi-quantitative calibration, use all five calibrators. Recalibration should be performed after reagent bottle change or there is a change in calibrators or reagent lot, and after instrument maintenance is performed. For interpretation of results, refer to the appropriate LZI Cannabinoids (cTHC) Enzyme Immunoassay (Ref# 0070c/0071c) package insert (3).

Limitations

The LZI Cannabinoids (cTHC) Calibrators are for use with the Cannabinoids (cTHC) Enzyme Immunoassay (Ref# 0070c/0071c) to detect cannabinoids in human urine only.

Symbols Used

EC REP	Authorized Representative	CONTENTS	Contents	REF	Reference Number
	Biological Risks	GTIN	Global Trade Item Number	SDS	Safety Data Sheet
CALIBRATOR	Calibrator	IVD	*In Vitro* Diagnostic medical device	2°C 8°C	Temperature Limits
CE	CE Mark	LOT	Lot Number	T.K.	Test Kit Number
	Consult Instructions for Use		Manufacturer		Use-by Date

Bibliography

1. Urine testing for Drug of Abuse. National Institute on Drug Abuse (NIDA) Research Monograph 73, 1986.
2. Guidance for Industry, Abbreviated 510(k) Submissions for In Vitro Diagnostic Calibrators. U.S. Department of Health and Human Services. FDA, Document issued on February 22, 1999.
3. LZI Cannabinoids (cTHC) Enzyme Immunoassay (Ref# 0070c/0071c) package insert.

Additions, deletions, or changes are indicated by a change bar in the margin.

Notice: Adulteration of reagents, use of instruments without appropriate capabilities, or other failure to follow instructions as set forth in this labeling can affect performance characteristics, and stated or implied label claims.

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