LZI Cannabinoids (cTHC) 25 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
0072c	Cannabinoids (cTHC) 12.5 ng/mL Calibrator	1 x 5 mL
0073c	Cannabinoids (cTHC) 25 ng/mL Calibrator	1 x 5 mL
0007c	Cannabinoids (cTHC) 37.5 ng/mL Calibrator	1 x 5 mL
0075c	Cannabinoids (cTHC) 50 ng/mL Calibrator	1 x 5 mL

Intended Use

The Lin-Zhi International, Inc. (LZI) Cannabinoids (cTHC) 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. Throughout this insert cTHC is referenced as an abbreviation for 11-nor-Δ^9-THC-9-COOH. Calibrators are made from NIST traceable standards.

*****Actual concentrations of these calibrators are within ±10 % of the target value as determined 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 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, the hepatitis antigens, and/or anti- hepatitis antibodies. They should be handled as potentially infectious. Always apply good laboratory practice 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 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 production date. Store calibrators tightly capped when not in use. Calibrator solution dispensed in the sample cups and left on board of the clinical analyzer should be discarded after use.

Procedure and Results

For qualitative calibration, use the 25 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 LZI Cannabinoids (cTHC) Enzyme Immunoassay (Ref# 0070c/0071c) to detect cannabinoids in human urine only.

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.

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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© October 2015 Rev. 4

Printed in USA