

# LZI Ethyl Glucuronide Controls

500 ng/mL Cutoff



*For Forensic Use Only*

## ***Lin-Zhi International, Inc.***

REF	Description	Quantity
0467	Ethyl Glucuronide (500) 375 ng/mL Level 1 Control	1 x 5 mL
0468	Ethyl Glucuronide (500) 625 ng/mL Level 2 Control	1 x 5 mL

### **Intended Use**

The LZI Ethyl Glucuronide (500) Controls are for use as assayed quality control materials to monitor the precision of the LZI Ethyl Glucuronide III Enzyme Immunoassay (Ref# 0450/0451) on a number of automated clinical chemistry analyzers (1).

### **Description of the Controls:**

The LZI Ethyl Glucuronide (500) Controls are human urine-based liquids, and ready to use. The constituent is a processed drug-free human urine matrix containing buffers, stabilizers, and less than 0.1 % of sodium azide. The controls are prepared by spiking known concentrations of ethyl glucuronide into the drug-free matrix.

\*Actual concentrations of these calibrators are 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 Ethyl Glucuronide (500) Controls should not be repackaged for in vitro diagnostic use.*
- *Harmful if swallowed.*
- *The controls 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 (3).*
- *The controls 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 use good laboratory practice to avoid any skin contact or ingestion.*
- *Do not use the controls beyond their expiration dates.*

### **Preparation and Storage**

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

### **Stability**

When stored refrigerated at 2-8°C, the controls are stable either opened-recapped or unopened, until the expiration date printed on the vial label. Store controls tightly capped when not in use. Controls solution dispensed in the sample cups and left on board a clinical analyzer should be discarded after use.

### **Procedure and Results**

Both levels of controls (375 ng/mL and 625 ng/mL) should be run daily to ensure proper assay performance. Additionally, run the controls with each new calibration and after specific maintenance or troubleshooting procedures are performed. For interpretation of results, refer to the appropriate LZI Ethyl Glucuronide III Enzyme Immunoassay (Ref# 0450/0451) package insert (1).

### **Limitations**

The LZI Ethyl Glucuronide (500) Controls are for use with the LZI Ethyl Glucuronide III Enzyme Immunoassay (Ref# 0450/0451) to detect ethyl glucuronide in human urine only. Quality control materials should be used in accordance with local, state, and/or federal regulations or accreditation requirements.

### **Bibliography**

1. LZI Ethyl Glucuronide III Enzyme Immunoassay (Ref# 0450/0451) package insert.
2. Guidance for Industry and FDA Staff, Assayed and Unassayed Quality Control Material. U.S. Department of Health and Human Services. FDA, Document issued on June 7, 2007.
3. Sodium Azide. National Institute for Occupational Safety (NIOSH). Pocket Guide to Chemical Hazards. Third Printing, September 2007. Available online at: <https://www.cdc.gov/niosh/npg/default.html>

| 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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