



# Biochemical Diagnostics, Inc.

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## **Stability and Shipping information for Detectabuse Liquid Control Urine**

### **STORAGE & STABILITY CLAIMS– (Reprinted from package insert)**

Unopened:

- A. The controls are stable until the expiration date when stored at -10 to -20°C and protected from light.
- B. The controls are stable until the expiration date when stored at 2-8°C; however, Oxazepam is stable for a maximum of 6 months when stored refrigerated.

After Opening:

- A. The controls are stable for six months or until the expiration date (whichever comes first) when stored at -10 to -20°C. (Controls can be thawed/frozen up to 5 times)
- B. The controls are stable for 31 days or until the expiration date (whichever comes first) when stored tightly capped at 2-8°C.
- C. Thaw controls as needed for a maximum of 5 thaw/freeze cycles; allow to come to room temperature followed by gentle swirling before use.

### **LIMITATIONS CONCERNING THC AND OXAZEPAM:**

Controls should be stored unopened either frozen or refrigerated until expiration date. Long term storage is best frozen, as the Oxazepam value can drop when stored refrigerated for longer than 6 months.

THC will bind to certain plastics and should not be aliquoted into plastic micro tubes or regular plastic test tubes.

### **DETECTABUSE CONTROLS, OXAZEPAM STABILITY: (Reprinted from package insert)**

Oxazepam has known stability problems in urine stored refrigerated, and to a lesser degree, frozen. Our experience indicates that Oxazepam will not deteriorate more than 10% of target level for at least one year when stored frozen at -20°C. Further deterioration may occur beyond this period although Oxazepam ordinarily tests positive throughout the control's shelf life.

### **DETECTABUSE CONTROLS, THC STABILITY: (Abstracted from package insert)**

Detectabuse controls are stable for the length of time under the storage conditions stated in the package insert. In spite of this fact, under certain conditions there may be observed a gradual decline in THC levels from repeated sampling of a single bottle of control material. This drop in THC values may occur from any THC sample (i.e. calibrators, controls, and samples). This decline of THC most often occurs from handling and not from product instability. It is well known that THC-COOH binds to surfaces, especially certain plastics.

### **ALIQUOTING CONTROLS: - Opened**

The control can safely undergo 5 thaw/freeze cycles without affecting performance. Thaw controls as needed by allowing to come to room temperature followed by gentle swirling before use.

### **SHIPPING METHODS:**

If shipped within North America, Detectabuse controls are shipped either one day or two day, with ice packs. The controls will not remain frozen upon customer receipt. End-user should promptly place controls in either the freezer or refrigerator. The controls do not need to remain frozen, but excessive heat (>35°C) will decrease Oxazepam 10% or greater depending on length of time heated.