



11

SECTION 11
DRUGS
OF ABUSE

Drugs of Abuse

Drugs of abuse controls are vital in diagnostics for accurately detecting and monitoring the use of illicit substances, prescription medications, and other psychoactive drugs in patients. These controls consist of standardized samples with known concentrations of specific drugs or their metabolites, used to validate the performance of drug testing assays, such as immunoassays and gas chromatography. By implementing these controls, laboratories ensure the reliability and accuracy of test results, which are crucial for effective patient management in various settings, including addiction treatment, pain management, and legal cases.

The role of drugs of abuse controls extends beyond accuracy; they are essential for maintaining quality assurance in drug testing laboratories. Regular use of these controls helps identify potential errors, such as reagent degradation or instrument malfunction, thus preventing false positives or negatives that could impact patient care or legal outcomes. Moreover, reliable drug testing plays a critical role in public health initiatives, workplace drug screening, and monitoring compliance with treatment programs, ultimately contributing to safer and more effective healthcare practices.

The Fortress Drugs of Abuse Controls, are available in a liquid stable (ready-to-use) format for convenience and ease-of-use, offer an independent assessment of performance for Drugs of Abuse Immunoassays, and are suitable for semi-quantitative and quantitative use. The controls are supplied with instrument and method specific assigned values.



Lyophilised



Liquid Frozen



Liquid Stable



100% Human Serum



Assayed Target Values Provided

Drugs of Abuse Controls

- Fortress Drugs of Abuse controls are intended for checking assay performance of Drugs of Abuse Immunoassays.
- These controls are urine based and have concentrations 25% above and below the SAMHSA (Substance Abuse And Mental Health Services Administration) recommended cut off levels.
- Liquid stable controls (ready-to-use).
- Suitable for semi-quantitative and quantitative use.
- 2 years shelf life.
- 30 days open vial stability when stored at 2-8 °C.

Typical Values in Drugs of Abuse Control Levels

Analyte	DOA Level (ng/ml)	DOA Level 2 (ng/ml)	DOA Level 3 (ng/ml)
Amphetamines	600	900	1350
Barbiturates	100	400	1000
Benzodiazepines	102	250	600
Cannabinoids	50	90	150
Cocaine	300	275	400
LSD	0.05	0.1	0.2
Methadone	200	300	800
Opiates	1000	1500	6000
Phencyclidine	15	25	100
Propoxyphene	60	100	-
TCA	50	90	180

Analytes

Amphetamines Barbiturates	Benzodiazepines Cocaine	LSD Methadone Opiates	Phencyclidine Propoxyphene
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Description	Size	Cat No.	Type
Drugs of Abuse Control (Level 1)	10 x 10 ml	BXC0784A	LS
Drugs of Abuse Control (Level 1)	10 x 3 ml	BXC0784B	LS
Drugs of Abuse Control (Level 2)	10 x 10 ml	BXC0785A	LS
Drugs of Abuse Control (Level 2)	10 x 3 ml	BXC0785B	LS
Drugs of Abuse Control (Level 3)	10 x 10 ml	BXC0786A	LS
Drugs of Abuse Control (Level 3)	10 x 3 ml	BXC0786B	LS
Multi DOA Calibrator/Control	6 x 1 x 1 ml	BXC0989A	LS
Tricyclic Anideressan Calibrator/Control	3 x 3 x 3 ml	BXC0996C	Lyo.