



VMA-T[®] line Hair Analysis

Products and methods to research drugs of abuse, psychotropic substances and therapeutic drugs in keratin matrix adopting immunometric screening techniques



Collect the
keratinic sample



Weigh 33 mg of
chopped hair



Add 1mL
of SLV VMA-T Washing
Solution, in contact
for 10/20 seconds, then
aspire and eliminate it



Add 0,4 mL of
VMA-T Reagent.
Digest for
1 hour at 100° C



Cooling down and
transfer in the cuvette
of the automatic analyzer



IMMUNOASSAY
SCREENING TEST
Report the results

DRUGS OF ABUSE AND THERAPEUTIC DRUGS IN HAIR

The patented VMA-T Comedical Line consists of a series of products including VMA-T Reagent, Washing Solution, Calibrators, Controls and analytical methods aimed to the measurement of drugs of abuse, psychotropic substances and therapeutic drugs accumulated in the hair, by using the same homogeneous phase reagents and the same automatic instrumentation commonly used for urine immunometric screening.

VMA-T Reagent extracts from the keratin matrix, through a simple, quick and economic process, all the main classes of drugs of abuse and therapeutic drugs: Opiates, Cocaine, Amphetamine, Ecstasy, Cannabinoid, Methadone, Buprenorphine, Benzodiazepines, semi-synthetic and synthetic psychotropic substances, etc. At the same time VMA-T Reagent, transforming Cocaine into Benzoylcegonine and most of the 6-o-Monoacetylmorphine into Morphine, allows the quantitative measurement of extracted substances with all immunometric screening techniques (EMIT, Cedia, DRI, Kims).

FEATURES AND ADVANTAGES

- Retrospectivity and preservation of data over time: 4 cm of hair correspond to 4 months of "history" of the donor
 - Safety of the sample's origin, without any possibility of replacement or adulteration
 - Diagnosis reliability: high sensitivity and specificity, no false negatives, low cut-off levels (according to the guidelines of SoHT - Society of Hair Testing)
 - Standardization of sample preparation and extraction process
 - High throughput thanks to automated screening platforms
- In addition, during the monitoring for drug addiction:**
- Better "compliance" and therapeutic efficacy ⁽¹⁾
 - Significant reduction in the frequency of analysis ⁽¹⁾
 - Reduction of management costs ⁽¹⁾
 - Workload reduction ⁽¹⁾

(1) C. Leonardi "Studio multicentrico nazionale per la valutazione della potenza analitica di un metodo di dosaggio delle sostanze d'abuso in matrice cheratinica" MISSION n° 28 - January 2010

VMA-T Reagent

REF SSVMAT001007 VMA-T Reagent

Pack size: 4 x 7 mL - for 60 samples.

Direct extraction of: Opiates, Cocaine, Amphetamine, Ecstasy, Cannabinoid, Methadone, Buprenorphine, Benzodiazepine, Ketamine, Tramadol, Zolpidem, Oxycodone and Nicotine.

Calibrators Cal VMA-T

REF SSCALT000008 Calibrators CAL VMA-T BST

Pack size: 5 concentration levels - 3 x 0,8 mL each:
Opiates, Cocaine, Amphetamine, Ecstasy, Cannabinoid and Methadone.

REF SSCALT001004 Calibrators CAL VMA-T BUP

Pack size: 5 concentration levels - 3 x 0,4 mL each:
Buprenorphine.

REF SSCALT002004 Calibrators CAL VMA-T BZD

Pack size: 5 concentration levels - 3 x 0,4 mL each:
Benzodiazepine.

REF SSCALT003004 Calibrators CAL VMA-T KTZ

Pack size: 5 concentration levels - 3 x 0,4 mL each:
Ketamine, Tramadol, Zolpidem and Oxycodone.

REF SSCALT004004 Calibrators CAL VMA-T NIC

Pack size: 5 concentration levels - 3 x 0,4 mL each:
Nicotine.

SLV VMA-T Washing Solution

REF SSSLVT000050 SLV VMA-T Washing Solution

Pack size: 2 x 50 mL - for 100 samples.

Washing Solution for external decontamination process of keratin samples undergoing to dosage. It shall be used only in conjunction with VMA-T Reagent extraction process.

TricoCheck Controls

Family of products designed to check the whole analytical process. There are different control lines developed for confirmation methods and screening techniques. The controls are realized by using authentic hair, washed, chopped and INCORPORATED with the specified substances. All TricoCheck Comedical controls can be treated as routine hair samples: further decontaminated through techniques and products described in the literature and extracted as defined by international guidelines for the hair testing with clinical and forensic purposes. The concentrations of the substances are expressed per analyte in the TricoCheck Controls for confirmation, and per class in the TricoCheck Controls for immunometric screening.

See the product leaflet for codes and other information about TricoCheck confirm controls.