



AN ITALIAN COMPANY THAT RESEARCHES, DEVELOPS AND PRODUCES READY TO USE KITS
USING CHROMATOGRAPHIC TECHNIQUES FOR CLINICAL LABORATORIES

CONTROLS IN HAIR FOR ABUSE DRUGS – LEVELS 1 and 2

(Morphine, Codeine, 6-MAM, Cocaine, BEG, Cocaethylene, Ecgonine Methyl Estee, Amphetamine, Methamphetamine, 3,4-MDMA, 3,4-MDA, 3,4-MDE, MBDB, Methadone, EDDP, Buprenorphine, Norbuprenorphine, delta-9-THC)

Code SC1009H TO USE WITH KIT CODE SC1000

OBJECTIVE

These keratin matrix controls are used for internal quality control and are used to monitor the accuracy and precision of analytical procedures dedicated to the quantitative determination of the analytes contained in them.

STORAGE AND STABILITY

Once the vial has been opened, remove the necessary volume, close it again with the reagent not used and store at -20°C. Stable 6 months. Do not use after the expiration date. Reagent S - Blank Hair and Reagent A – Diluting Solution can be stored at room temperature.

WARNINGS

These calibrators in human matrix must be treated with care and considered as potentially infectious.

LOT		

PACKAGING AVAILABLE:

- SC1009H CONTROLS IN HAIR FOR ABUSE DRUGS – LEVELS 1 and 2
1 x 1500 mg/ 1 x 3 x 0,4 ml/ 1 x 25 ml

N° 003	10/2024
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CONCENTRATIONS**CODE****SC1009H**

		

CHEMICAL STANDARD PREPARATION

Prepare 4 glass tubes, name them A-B-C-D and dilute each single Chemical Standard (T1-T2-T3) with **Reagent A - Diluting Solution** as shown in the table below:

Tubes	Reagent T1 – Chemical Standard 1	Reagent T2 – Chemical Standard 2	Reagent T3 - Chemical Standard 3	Reagent A – Diluting Sol
A	20 µl	//	//	1.980 µl
B	//	20 µl	//	1.980 µl
C	//	//	20 µl	1.980 µl
D	//	//	50 µl	200 µl

Close the tubes with caps – Vortex for 1 minute

HAIR ENRICHMENT:

Prepare 2 glass tubes of 10 ml called L1 and L2.

Add the freshly prepared Chemical Standards (A-B-C-D) to each tube (L1-L2), referring to the table below:

Control 1	Control 2
60 µl of A	30 µl of T1
60 µl of B	30 µl of T2
60 µl of C	150 µl of D

Bring the freshly prepared calibrator to dryness with the aid of a helium or nitrogen flow (in this step, the working temperature must be < 40 °C).

Add to the freshly dried control tubes L1-L2 50 mg of **Reagent S – Blank hair**

At this point the Controls on 2 points are ready and the concentration as below:

Analyte	Control 1	
	MEDIUM VALUE	RANGE
Morphine, Codeine, 6-MAM, Amphetamine, Methamphetamine, MDA, MDE, MDMA, Methadone, MBDB		
Cocaine		
BEG, Cocaethylene, Ecgonine methyl-ester, EDDP		
Buprenorphine, Norbuprenorphine		
Delta-9-THC		
Analyte	Control 2	
	MEDIUM VALUE	RANGE
Morphine, Codeine, 6-MAM, Amphetamine, Methamphetamine, MDA, MDE, MDMA, Methadone, MBDB		
Cocaine		
BEG, Cocaethylene, Ecgonine methyl-ester, EDDP		
Buprenorphine, Norbuprenorphine		
Delta-9-THC		

This product fulfils all the requirements of Directive 98/79/EC of 27/10/1998 on *in vitro* diagnostic medical devices (IVD). The declaration of conformity is available upon request.



FOR *IN VITRO* DIAGNOSTIC USE ONLY



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