



### **Instructions for Handling Test Materials and Recording Results Round 15**

#### **Samples**

The 2 enclosed samples (250mg) are prepared from blank segmented human hair which was screened and declared free from common drugs of abuse. The analytes were then incorporated into the segments of hair.

When analysing these specimens please use your normal laboratory procedures.

#### **Sample 1**

For quantitative analysis. The sample contains:

THC

Diazepam

Nordazepam

THC-COOH

Please determine the concentrations of these substances present in the sample.

#### **Sample 2**

This sample contains up to 4 analytes. Please screen the samples to determine what analytes are present in the sample and the concentrations present.

The interpretation for the qualitative element purposes utilises the thresholds proposed by the Society of Hair Testing.

Please note that the sample has been designed to contain up to 4 analytes. It is possible that less than four analytes may be present.

#### **Storage**

The samples should be stored at room temperature out of direct sunlight. It must not be frozen or heated at temperatures above 40° C.

#### **Please Note: Cut-offs for users of commercial kits**

Participants who use commercial kits that operate to threshold concentrations different from those tabulated should report their results to those specified by the manufacture of the kit. A problem only arises in the uncommon case where the kit threshold is above the scheme threshold. In a sample containing a drug at a concentration between the two thresholds, the laboratory will receive an unsatisfactory result. When a drug is present at a concentration below the scheme threshold, no assessment is applied.

#### **Reporting units**

The unit for reporting of results is ng/mg. (exception THC-COOH with is pg/mg)

#### **All results should be submitted using PORTAL.**

Please go to <https://www.lgcpt.com/portal>

Login using your Lab ID, username and password.

PORTAL user advice has been supplied in the sample package and in the sample despatch email. Further guides can be downloaded from the help section.

Please note that this scheme utilises a screening profile. The screening profile will need to be configured on PORTAL prior to reporting results.

Please do not hesitate to contact our support team using the details below or your local LGC representative if any difficulties are encountered.

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#### Reporting thresholds

For interpretation purposes the guidelines proposed by the EWDTS\* (European Workplace Drug Testing Society) are utilised, and the following thresholds are used:

Screening Tests	SOHT threshold	Individual analytes	SOHT threshold
Amfetamines screen	0.2 ng/mg	Amfetamine Methamphetamine MDMA/MDA/MDEA	0.2 ng/mg 0.2 ng/mg 0.2 ng/mg
Benzodiazepines screen	0.05 ng/mg	Benzodiazepine drugs	0.05 ng/mg
Cannabinoid screen (THC)	0.1 ng/mg	THC THC-COOH	0.05 ng/mg 0.2 pg/mg
Cocaine and metabolite screen	0.5 ng/mg	Cocaine Benzoylecgonine Cocaethylene Norcocaine	0.5 ng/mg 0.05 ng/mg 0.05 ng/mg 0.05 ng/mg
Opiate screen (total)	0.2 ng/mg	Morphine 6-Mono-acetylmorphine Codeine	0.2 ng/mg 0.2 ng/mg 0.2 ng/mg
Methadone EDDP	0.2 ng/mg	Methadone EDDP	0.2 ng/mg 0.05 ng/mg
Buprenorphine	0.01 ng/mg	Buprenorphine Norbuprenorphine	0.01 ng/mg 0.01 ng/mg
Ketamine	0.5 ng/mg	Ketamine Norketamine	0.5 ng/mg 0.1 ng/mg

\* The threshold recommended by the EWDTS are those recommended by the SOHT (Society of Hair Testing) for Amphetamines, Cocaine and metabolites, Cannabinoids and Opiates. They differ from the SOHT guidelines for Benzodiazepines (no SOHT guideline).