

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

#### **Samples**

The 3 enclosed samples are prepared from oral fluid collected from volunteers and patients which has been heated at 60°C for 1½ hours. Nevertheless, it is recommended that laboratory personnel treat the samples with the care and attention normally exercised in handling clinical specimens. Each sample is neat oral fluid without addition of diluent buffer, however the samples obtained from known drug users may contain a small amount of the buffers encountered in oral fluid kits and occasionally a small amount (0.25%) of the non-ionic surfactant Tritox X-100 may be used to stabilise the sample. All samples contain gentamicin 0.1 g/L and penicillin 0.1 g/L as preservatives.

Samples are of 1.7ml volume. Check the code number printed on the label carefully to distinguish between the three samples. Samples should be stored at 4°C for up to 2 days or frozen if analysis is to be delayed.

Screen the samples for drugs of abuse and please follow your normal protocol when analysing the samples. The samples may be analysed directly or can be diluted first with appropriate stabilisation buffer to mimic your routine samples. Please express any quantitative findings in terms of the drug concentration present in the undiluted sample.

#### **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.

#### **Threshold after hydrolysis**

In the case of drug groups, where a sample hydrolysis step may be employed, the tabulated threshold should be taken to apply to the total sample content; free + conjugated.

#### **Reporting of Screening Group results**

Please note that for assessment purposes:

1. All amphetamine drugs should be reported under the Amphetamine Screening Group as well as the individual screening group where that applies. E.g. MDMA and Methylamphetamine should be reported under the Amphetamine Screening Group as well as the Methylamphetamine Screening Group.
2. All benzodiazepines should be reported under the Benzodiazepine Screening Group.
3. All Opiates should be included under the Opiate Screening Group (e.g. Morphine, Codeine, Dihydrocodeine, 6-MAM) as well as the individual screening group where that applies e.g. 6-MAM.
4. Buprenorphine and Norbuprenorphine should be added together and results submitted under the Buprenorphine Screening Group.

The reporting threshold table includes the details for the relevant screening groups, however if there is any doubt please contact us for clarification.

#### **Submission of results**

This scheme allows participants to report results for screening groups and individual analytes, the options available are: detected, not detected, not tested and referred. Quantitative results may also be reported.

#### **Reporting units**

For the submission of results mass and molar units are available to participants. However, for the majority of analytes the report will be produced in mass units.

#### **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.



# **DOF**

***Drugs in Oral Fluid Scheme***

**Issue No: 10**

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Please note that this scheme utilises a screening profile. The screening profile will need to be configured on PORTAL prior to reporting results. Please refer to the quick guide sent in the sample despatch email.

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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Email: [ptcustomerservices@lgcgroup.com](mailto:ptcustomerservices@lgcgroup.com)

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#### Reporting thresholds

The scheme operates to the threshold values recommended by the European Workplace Drug Testing Society in their guidelines published as <http://www.ewdts.org/ewdts-guidelines.html>. (2015-11-02 Version 2.0). The thresholds are tabulated below. Analytes marked with an asterisk (\*) have values suggested by the scheme.

Screening tests	µg/L	Single analytes (total)	µg/L
Amfetamines screen	40	Amfetamine	15
		Methyl-amfetamine	15
		MDMA / MDA / MDEA	15
		Other members of the amphetamine group	15
Barbiturates* screen	60	Specific barbiturate*	10
Benzodiazepines screen	10	Specific benzodiazepines:	3
		7-aminoflunitrazepam	3
		7-amino-clonazepam	3
		7-amino-nitrazepam	3
		Alprazolam	3
		Bromazepam	3
		Clonazepam	3
		Desmethyldiazepam (Nordiazepam)	3
		Diazepam	3
		Flunitrazepam	3
		Flurazepam	3
		Lorazepam	3
		Lormetazepam	3
		Midazolam	3
		Nitrazepam	3
Oxazepam	3		
Phenazepam	3		
Temazepam	10		
Cannabinoid screen (THC)	10	Delta-9-THC	2
Cocaine and metabolites screen	30	Benzoyllecgonine	8
		Cocaine	8
		Cocaethylene	-
Methadone screen EDDP screen	50	Methadone	20
		EDDP	-
Propoxyphene and metabolites screen	40	Propoxyphene or metabolite	5
Opiates screen	40	Morphine	15
		Codeine	15
		Norcodeine	2
		6-Acetylcodeine	2
		Dihydrocodeine	15
6-Monoacetylmorphine screen	4	6-Monoacetylmorphine	2
Buprenorphine and metabolites screen	5	Buprenorphine or metabolites	1
Phencyclidine* screen	10	Phencyclidine*	10
LSD and metabolites* screen	1	LSD or metabolites*	1